

Draft Environmental Assessment for North Texas Optimization of Airspace and Procedures in the Metroplex

Volume II - Appendices

September 2013

Prepared by:

**United States Department of Transportation
Federal Aviation Administration**



Fort Worth, Texas

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TECHNICAL REPORTS (available on the North Texas OAPM website at
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NTX OAPM Study Team Technical Report
NTX OAPM Design & Implementation Team Technical Report
Average Annual Day Flight Schedules
Aircraft Noise Technical Report

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Appendix A: Agency Coordination, Agency Consultation, and Public Involvement

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A.1 First Early Notification Announcement

A.1.1 Early Notification Letters

On May 6, 2013, the FAA distributed an early notification letter (**Exhibit A-1**) to federal, state, regional, and local officials. Upon further research and coordination a subsequent notification letter was sent to additional federal, state, local, and tribal officials on June 12, June 14, June 26, and July 9, 2013.

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North Texas OAPM EA - Mailing Lists for Early Notification Letters

Table A-1 Federal, State, Local and Tribal Agencies

LASTNAME	FIRSTNAME	TITLE	AGENCY	DEPARTMENT	ADDRESS1	ADDRESS2	ADDRESS3
Anoatubby	Bill	Governor	Chicasaw Nation		P.O. Box 1548		Ada, OK 74821
Brooks	Bob	State Archaeologist	Oklahoma Archaeological Survey		111 E. Chesapeake		Norman, OK 73019-5111
Castlemain	Brent	Regional Representative	US Army	FAA Southwest Region	2601 Meacham Blvd.	Room 161	Fort Worth, TX 76137
Cloud	Tom	Field Supervisor	U.S. Fish & Wildlife Service	Ecological Division	2005 Northeast Green Oaks Blvd.	Suite 140	Arlington, Texas 76006
Dan	Deerinwater	Regional Director	Southern Plains Regional Office	Bureau of Indian Affairs	P.O. Box 368		Anadarko, OK 73005
Esslinger	Greg	Migratory Bird Management Operations Specialist	U.S. Fish & Wildlife Service		500 Gold Avenue SW	8th Floor	Albuquerque, NM 87102
Flanders	Jamie	Regional Representative	US Air Force - FAA Southwest Region	FAA Southwest Region	2601 Meacham Blvd.	Room 161	Fort Worth, TX 76137
Fulton	David	Aviation Director	Texas Department of Transportation		125 East 11th St		Austin, TX 78701
Gamache	Tim	Dept. of the Navy Representative	Federal Aviation Administration		2601 Meacham Blvd.	ASW-930	Fort Worth, TX 76137-0930
Hatcher	Richard	Director	Oklahoma Department of Wildlife Conservation		P.O. Box 53465		Oklahoma City, OK 73152
Heisch	Malvena	Deputy State Historic Preservation Officer	Oklahoma State Historic Preservation Office		800 Nazih Zuhdi Drive		Oklahoma City, OK 73105
Henry	Winona	Regional Director	Texas Commission on Environmental Quality	Region 3	1977 Industrial Blvd.		Abilene, TX 79602-7833
Hunter	Andrea	Tribal Historic Preservation Officer	Osage Nation		P.O. Box 779		Pawhuska, OK 74056
Impson	Robert	Regional Director	Eastern Oklahoma Regional Office	Bureau of Indian Affairs	3100 W. Peak Blvd.		Muskogee, OK 74401

LASTNAME	FIRSTNAME	TITLE	AGENCY	DEPARTMENT	ADDRESS1	ADDRESS2	ADDRESS3
Jackson	Lynne	Forest Planner/NEPA Coord.	U.S. Department of Agriculture Forest Service	National Forest & Grasslands in Texas	2221 N. Raguet St.		Lufkin, TX 75904
Jansky	Michael	NEPA Specialist, Office of Planning and Coordination, Region 6	Environmental Protection Agency	Compliance Assurance and Enforcement Division	1445 Ross Ave.	Ste. 1200	Dallas, Texas 75202
Karabanoff	Thomas	Resident Agent In Charge	U.S. Fish & Wildlife Service	Fort Worth	501 Felix St.	Ste. 1105	Fort Worth, TX 76115
Kennedy	Kelly	Advisor to TCEQ	Governor's Budget and Planning Office		1100 San Jacinto		Austin, TX 78701
Kula	BG. Thomas	Commander & Division Engineer, SW Division	U.S Army Corp of Engineers	Southwest Division	1100 Commerce St.	Ste. 831	Dallas, TX 75242-1317
MacFarlane	John	Office of Planning and Coordination, Region 6	Environmental Protection Agency	Compliance Assurance and Enforcement Division	1445 Ross Ave.	Ste. 1200	Dallas, Texas 75202
McCraw	Steve	Director	Texas Department of Public Safety		P.O. Box 4087		Austin TX, 78773-0001
Mueller	John	Acting State Conservationist	Oklahoma Natural Resources Conservation Service		100 USDA	Suite 206	Stillwater, OK 74074-2651
Nash	Roy A.	Commander, 8th District	US Coast Guard	FAA Southwest Region	Hale Boggs Federal Bldg.	500 Poydras St.	New Orleans, LA 70130
Rhodes	Rick	Administrator	Texas Department of Rural Affairs		1700 North Congress Street	11th Floor	Austin, TX 78701
Smith	Rhonda M.	Chief, Office of Planning and Coordination, Region 6	Environmental Protection Agency	Compliance Assurance and Enforcement Division	1445 Ross Ave.	Ste. 1200	Dallas, Texas 75202
Taylor, PhD.	Willie R.	Director	U.S. Department of the Interior	Office of Environmental Policy & Compliance	1849 C St., NW	MS-2340	Washington, DC 20240
Terrill	Eddie	Division Director - Air Quality Div.	Oklahoma Department of Environmental Quality		P.O. Box 1677		Oklahoma City, OK 73101-1677

Appendix A: Agency Coordination and Public Involvement

LASTNAME	FIRSTNAME	TITLE	AGENCY	DEPARTMENT	ADDRESS1	ADDRESS2	ADDRESS3
Thayer	Dan	Chief	U.S. Department of the Interior Bureau of Indian Affairs	Environmental Services Staff Office of Trust Responsibilities	Interior Building, Room 4560	18th and C Street NW	Washington, DC 20245
Theresa	Ely	Soundscape and Night Sky Coordinator	National Park Service	Intermountain Region	12795 W. Alameda Parkway		Lakewood, CO 80228
Tuggle	Benjamin	Regional Director	U.S. Fish & Wildlife Service	Southwest Region	500 Gold Ave. SW		Albuquerque, NM 87102
Tupper	Mike	Deputy State Director Lands and Resources	U.S. Department of the Interior Bureau of Land Management		301 Dinosaur Trail		Santa Fe, NM 87508
Van Soest	David	Regional Director	Texas Commission on Environmental Quality	Region 9	6801 Sanger Avenue	Ste. 2500	Waco, TX 76710-7826
Walker	Tony	Regional Director	Texas Commission on Environmental Quality	Region 4	2309 Gravel Dr.		Fort Worth, TX 76118-6951
Wessels	John	Intermountain Regional Director	National Park Service U.S. Department of the Interior	Big Thicket National Preserve	12795 Alameda Pkwy		Denver, CO 80225
Wolfe	Mark	Executive Director	Texas Historical Commission	State Historic Preservation Office	1511 N. Colorado St.	Box 12276	Austin, TX 78711-2276
Wolfe	Clayton	Director of Wildlife	Texas Parks & Wildlife Department		4200 Smith School Road		Austin, TX 78744-3292

Table A-2 Study Area Elected Officials

SAL	LASTNAME	FIRSTNAME	GOVERNING BODY	ADDRESS	ADDRESS2
Hon.	Alonzo	Roberto	Texas House of Representatives	312 W. 12 th Street, Ste. A	Dallas, TX 75208
Hon.	Anchia	Rafael	Texas House of Representatives	1111 West Mockingbird Lane, Ste. 1330	Dallas, TX 75247
Hon.	Barton	Joe	United States House of Representatives	6001 West Ronald Reagan, Ste. 200	Arlington, TX 7601

SAL	LASTNAME	FIRSTNAME	GOVERNING BODY	ADDRESS	ADDRESS2
Hon.	Birdwell	Brian	Texas State Senate	1100 Congress Ave., Rm E1.708	Austin, TX 78701
Hon.	Branch	Dan	Texas House of Representatives	3953 Maple Avenue, Ste. 100	Dallas, TX 75219
Hon.	Burgess	Michael	United States House of Representatives	1100 Circle Drive, Ste. 200	Fort Worth, TX 76119
Hon.	Burkett	Cindy	Texas House of Representatives	18601 LBJ Freeway, Ste. 401	Mesquite, TX 75150
Hon.	Burnam	Lon	Texas House of Representatives	1067 West Magnolia	Fort Worth, TX 76104
Hon.	Burnice-Johnson	Eddie	United States House of Representatives	3102 Maple Ave, Ste. 600	Dallas, TX 75201
Hon.	Capriglione	Giovanni	Texas House of Representatives	P.O. Box 2910, Rm. E1.412	Austin, TX 78768-2910
Hon.	Carona	John	Texas State Senate	8080 N. Central Expwy, Ste. 1440 LB 44	Dallas, TX 75206
Hon.	Carter	Stafani	Texas House of Representatives	P.O. Box 2910, Rm. E2.702	Austin, Texas 78768-2910
Hon.	Chen Button	Angie	Texas House of Representatives	1200 E. Executive Dr., Ste. 130	Richardson, TX 75081
Hon.	Collier	Nicole	Texas House of Representatives	P.O. Box 2910, Rm. E1.324	Austin, TX 78768-2910
Hon.	Cornyn	John	United States Senate	5300 Memorial Dr., Ste. 980	Houston, TX 77007
Hon.	Crownover	Myra	Texas House of Representatives	P.O. Box 535	Lake Dallas, TX 75065
Hon.	Cruz	Ted	United States Senate	10440 N. Central Expwy, Ste. 1160	Dallas, TX 75231
Hon.	Davis	Yvonne	Texas House of Representatives	5787 S. Hampton Rd., Ste. 447	Dallas, TX 75232
Hon.	Davis	Wendy	Texas State Senate	2421 W. 7th, Ste. 131, Bldg. A	Fort Worth, TX 76107
Hon.	Deulle	Robert	Texas State Senate	18601 LBJ Freeway, Ste. 400	Mesquite, TX 75150
Hon.	Driver	Joe	Texas House of Representatives	201 South Glenbrook Dr.	Garland, TX 75040
Hon.	Estes	Craig	Texas State Senate	P.O. Box 12068, Rm. E1.9	Austin, TX 78711
Hon.	Fallon	Pat	Texas House of Representatives	P.O. Box 2910, Rm. E1.312	Austin, Texas 78768-2910

Appendix A: Agency Coordination and Public Involvement

SAL	LASTNAME	FIRSTNAME	GOVERNING BODY	ADDRESS	ADDRESS2
Hon.	Flores	Bill	United States House of Representatives	400 Austin Ave.	Waco, TX 76710
Hon.	Flynn	Dan	Texas House of Representatives	P.O. Box 999	Canton, TX 75103
Hon.	Giddings	Helen	Texas House of Representatives	1510 North Hampton Road, #340	DeSoto, TX 75115
Hon.	Gooden	Lance	Texas House of Representatives	P.O. Box 2910, Rm. E1.324	Austin, Texas 78768-2910
Hon.	Granger	Kay	United States House of Representatives	1701 River Run Rd., Ste. 407	Fort Worth, TX 76107
Hon.	Green	Charlie	Texas House of Representatives	1011 Roberts Cutoff	River Oaks, TX 76114
Hon.	Hall	Ralph	United States House of Representatives	104 N. San Jacinto St.	Rockwall, TX 75087
Hon.	Hancock	Kelly	Texas House of Representatives	P.O. Box 185096	Fort Worth, TX 76181
Hon.	Hardcastle	Rick	Texas House of Representatives	1930 Fannin Street	Vernon, TX 76384
Hon.	Harper-Brown	Linda	Texas House of Representatives	100 Decker Court, Ste. 100	Irving, TX 75062
Hon.	Harris	Chris	Texas State Senate	2001 E. Lamar Blvd., Ste. 150	Arlington, TX 76006
Hon.	Hensarling	Jeb	United States House of Representatives	6510 Abrams Road, Ste. 243	Dallas, TX 75231
Hon.	Jackson	Jim	Texas House of Representatives	1120 Metrocrest Drive, #107	Carrollton, TX 75006
Hon.	Johnson	Sam	United States House of Representatives	2929 N. Central Expy, Ste. 240	Richardson, TX 75080
Hon.	Johnson	Eric	Texas House of Representatives	1409 S. Lamar Street, Ste. 9	Dallas, Texas 75215
Hon.	Keffer	James	Texas House of Representatives	P.O. Box 857	Eastland, TX 76448
Hon.	King	Phil	Texas House of Representatives	2110 Fort Worth Hwy.	Weatherford, TX 76086
Hon.	Krause	Matt	Texas House of Representatives	P.O. Box 2910, Rm. E1.424	Austin, Texas 78768-2910
Hon.	Laubenburg	Jodie	Texas House of Representatives	206 N. Murphy Road	Murphy, TX 75094
Hon.	Madden	Jerry	Texas House of Representatives	P. O. Box 940844	Plano, TX 75074

SAL	LASTNAME	FIRSTNAME	GOVERNING BODY	ADDRESS	ADDRESS2
Hon.	Mallory Caraway	Barbara	Texas House of Representatives	2908 East 11th Street, Ste. B	Dallas, TX 75203
Hon.	Marchant	Kenny	United States House of Representatives	9901 East Valley Ranch Pkwy, Ste. 3035	Irving, TX 75063
Hon.	Nelson	Jane	Texas State Senate	1235 S. Main St, Ste. 280	Grapevine, TX 76051
Hon.	Orr	Rob	Texas House of Representatives	201 West Ellison, Ste. 201	Burleson, TX 76028
Hon.	Parker	Tan	Texas House of Representatives	800 Parker Sq., Ste. 245	Flower Mound, TX 75028
Hon.	Patrick	Diane	Texas House of Representatives	318 West Main Street, Ste. 102	Arlington, TX 76013
Hon.	Paxton	Ken	Texas House of Representatives	201 West Virginia Parkway	McKinney, TX 75069
Hon.	Paxton	Ken	Texas State Senate	P.O. Box 12068, Rm. E1.810	Austin, TX 78768-2910
Hon.	Phillips	Larry	Texas House of Representatives	421 North Crockett	Sherman, TX 75090
Hon.	Pitts	Jim	Texas House of Representatives	310 W. Jefferson, Ste. 1	Waxahachie, TX 75165
Hon.	Sessions	Pete	United States House of Representatives	12750 Merit Drive, Ste. 1434	Dallas, TX 75251
Hon.	Sheets	Kenneth	Texas House of Representatives	P.O. Box 2910, Rm E1.412	Austin, Texas 78768-2910
Hon.	Shelton	Mark	Texas House of Representatives	1050 Forest Park Blvd., Ste. 200	Fort Worth, TX 76110
Hon.	Simmons	Ron	Texas House of Representatives	1029 Rosemeade Pkwy., Ste. 108	Carrollton, TX 75007
Hon.	Smith	Todd	Texas House of Representatives	1608 Airport Freeway, Ste. 100	Bedford, TX 76022
Hon.	Taylor	Van	Texas House of Representatives	2121 W. Spring Creek Pkwy, Ste. 115	Plano, TX 75023
Hon.	Thornberry	Mac	United States House of Representatives	4245 Kemp, Suite 506	Wichita Falls, TX 76308
Hon.	Van de Putte	Leticia	Texas State Senate	700 N. Saint Mary's St., Ste. 1725	San Antonio, TX 78205
Hon.	Veasy	Marc	United States House of Representatives	1881 Sylvan Ave., Ste. 108	Dallas, TX 75208
Hon.	Villalba	Jason	Texas House of Representatives	P.O. Box 2910, Rm. E1.702	Austin, TX 78768-2910

SAL LASTNAME	FIRSTNAME GOVERNING BODY	ADDRESS	ADDRESS2
Hon. Zedler	Bill	Texas House of Representatives	P.O. Box 2910, Rm E1.302 Austin, Texas 78768-2910

Table A-3 Local Agency Representatives

SAL LASTNAME	FIRSTNAME	TITLE	AGENCY	ADDRESS1	ADDRESS2	ADDRESS3
Ms. Biggar	Tammy	County Clerk	Fannin County	101 E. Sam Rayburn Dr.	Suite 102	Bonham, TX 75418
Mr. Bilyeu	Bill	County Administrator	Collin County	2300 Bloomdale Rd.	Ste. 4192	McKinney, TX 75071
Mr. Boatright	Brad	Mgr. Town Services	City of Highland Park	4300 MacArthur Dr.	Ste. 170	Highland Park, TX 75209
Ms. Burnett	Mary	County Clerk	Hood County	1200 W. Pearl Street		Granbury, TX 76048
Hon. Bush	Carol	County Judge	Ellis County	101 W. Main Street		Waxahachie, TX 75165
Hon. Bush	Wilma	County Clerk	Grayson County	100 W. Houston		Sherman, TX 75090
Hon. Commissioners		Board of Bryan County Commissioners	Bryan County	323 W. Beech St.		Durant, OK 74701
Hon. Davenport, Jr. H.M.		County Judge	Navarro County	300 W. Third Ave.	Ste. 102	Corsicana, TX 75110
Hon. Ford	Mike	County Judge	Somervell County	P.O. Box 851		Glen Rose, TX 76043
Ms. Gerber	Pam	Commission Secretary	Marshall County	100 Plaza	Room 106	Madill, OK 73446
Hon. Harmon	Roger	County Judge	Johnson County	2 N. Main Street		Cleburne, TX 76033
Hon. Hogan	Jerry	County Judge	Rockwall County	101 E. Rusk St.		Rockwall, TX 75087
Mr. Howell, III	Bennett	Dir. Public Works	Denton County	1450 E. McKinney St.	Ste. 175	Denton, TX 76209
Ms. Jones	Gwinda	County Clerk	Erath County	100 W. Washington		Stephenville, TX 76401
Hon. Koches	Rita	County Judge	Van Zandt County	121 E. Dallas St.	Ste. 206	Canton, TX 75103
Hon. Lemon	Sherry	County Clerk	Wise County	200 N. Trinity		Decatur, TX 75234

SAL	LASTNAME	FIRSTNAME	TITLE	AGENCY	ADDRESS1	ADDRESS2	ADDRESS3
Ms.	Linden zweig	Jennifer	County Clerk	Hunt County	2507 Lee Street	2nd Floor	Greenville, TX 75401
Mr.	Lindley	Bill	Town Manager	City of Highland Park	4300 MacArthur Dr.	Ste. 170	Highland Park, TX 75209
Mr.	Maenius	G.K.	County Administrator	Tarrant County	100 E. Weatherford St.		Fort Worth, TX 76196
Mr.	Martin	Darryl	County Administrator	Dallas County	411 Elm Street		Dallas, TX 75202
Ms.	Moffeit	Gwen	County Clerk	Henderson County	125 N. Prairieville St.	Room 101	Athens, TX 75751
Hon.	Nicklas	David	County Judge	Palo Pinto County	520 Oak Street		Palo Pinto, TX 76484
Hon.	Riley	Mark	County Judge	Parker County	One Courthouse Square		Weatherford, TX 76086
Hon.	Roane	John	County Judge	Cooke County Commission	101 S. Dixon		Gainesville, TX 76240
Ms.	Robinson	Janice	County Clerk	Jack County	100 N. Main Street	Ste. 208	Jacksboro, TX 76458
Hon.	Sappington	Tommie	County Judge	Montague County	101 E. Franklin		Montague, TX 76251
Ms.	Sheffer	Karen	Commission Secretary	Love County	405 W. Main	Ste. 101	Marietta, OK 73448
Ms.	Tanner	Nicole	County Clerk	Hill County	80 N. Waco Street	1st Floor	Hillsboro, TX 76645
Hon.	Ward	Cole	County Judge	Bosque County	110 S. Main	Room 110	Meridian, TX 76665
Hon.	Wolfe	Wayne	County Judge	Rains County	167 E. Quitman St.		Emory, TX 75440
Hon.	Wood	Bruce	County Judge	Kaufman County	100 W. Mulberry Street		Kaufman, TX 75142

Table A-4 North Central Texas Council of Governments (NCTCOG) and Dallas City Representatives

LASTNAME	FIRSTNAME	TITLE	AGENCY	DEPARTMENT	ADDRESS1	ADDRESS2
Adel	John	Member - NCTCOG	City of Greenville	Asst. City Manager	P.O. Box 1049	Greenville, TX 75403-1049
Ash	Christopher	Member - NCTCOG	Alliance Air Services	Mgr. Airport / FBO Ops.	2221 Alliance Blvd., Ste. 100	Fort Worth, TX 76177

Appendix A: Agency Coordination and Public Involvement

LASTNAME	FIRSTNAME	TITLE	AGENCY	DEPARTMENT	ADDRESS1	ADDRESS2
Bateman	Bobby	Member - NCTCOG	Mineral Wells Airport	Airport Supervisor	P.O. Box 460	Mineral Wells, TX 76068
Brewer	William	Environmental Manager	City of Dallas	Aviation Department	8008 Cedar Springs, LB 16	Dallas, TX 75235
Caldwell	Raymond	Member - NCTCOG	City of Ennis		1905 W. Ennis Ave.	Ennis, TX 75119
Craig	Keith	Member - NCTCOG	Service Specialties Associates, Inc.	Owner/President	P.O. Box 1117	Addison, TX 75001
Delgado	Ruben	Member - NCTCOG	Collin County	Dir. of Engineering	825 N. McDonald, Ste. 160	McKinney, TX 75069
Demoney	Judy	Member - NCTCOG	Mid-Way Regional Airport	Airport Manager	131 Airport Dr.	Midlothian, TX 76065
Deubner	Mark	Director of Aviation	City of Dallas	Aviation Department	8008 Cedar Springs, LB 16	Dallas, TX 75235
Furra	Lana	Vice-Chair - NCTCOG	City of Dallas	Asst. Director of Aviation	8008 Cedar Springs, LB 16	Dallas, TX 75235
Hadley	Steve	Member - NCTCOG	National Business Aviation Association	SW Region Representative	13741 Harbor Dr.	Waco, TX 76712
Hawkins	Gary	Member - NCTCOG	Granbury Regional Airport	Airport Manager	400 Howard Clemons Rd.	Granbury, TX 76048
Hix	Quentin	Secretary - NCTCOG	Denton Municipal Airport	Airport Manager	215 E. McKinney	Denton, TX 96201
Jensen	Donald	Member - NCTCOG	Greater Irving-Las Colinas Chamber of Commerce	Transportation Committee	3717 Hidalgo St.	Irving, TX 75062
Lierman	Daryl	Member - NCTCOG	NAS Fort Worth, JRB	Air Operations Officer	1425 Carswell Ave., Bldg. 1425	NAS Ft. Worth, JRB, TX 76127
Mallonee	Michael	Principal Transportation Planner	North Central Texas Council of Governments	Aviation Division	616 Six Flags Dr., Centerpoint Two	Arlington, TX 76011
Martinez	Paul	Member - NCTCOG	Dallas Ft. Worth International Airport	V/P Operations	P.O. Box 619428	DFW Airport, TX 75261-9428
Mitchell	Terry	Assistant Director	City of Dallas	Aviation Department	8008 Cedar Springs, LB 16	Dallas, TX 75235
Nicely	Michael	Member - NCTCOG	Federal Aviation Administration	Texas Airport Development Office	2601 Meacham Blvd.	Fort Worth, TX 76137-4298
Platt	Yasmina	Member - NCTCOG	Aircraft Owners and Pilots Association	Central SW Regional Manager	421 Aviation Way	Frederick, MD 21701

LASTNAME	FIRSTNAME	TITLE	AGENCY	DEPARTMENT	ADDRESS1	ADDRESS2
Pyatt	Kenneth	Member - NCTCOG	SKY Helicopters, Inc.	President	2559 Juipter road	Garland, TX 75041
Shahan	Mike	Member - NCTCOG	N. Texas Regional Airport	Airport Manager / Perrin Field	4700 Airport Dr.	Denison, TX 75020
Waddle	Bobby	Executive Board Representative	North Central Texas Council of Governments		1015 S. Cockrell Hill Rd.	DeSoto, TX 75115
Wiegand	Kenneth	Member - NCTCOG	Collin Co. Regional Airport	Airport Director	1500 East Industrial Blvd., Ste. 118	McKinney, TX 75069

Table A-5 Study Airport Managers

LASTNAME	FIRSTNAME	TITLE	AIRPORT	ADDRESS1	ADDRESS2	ADDRESS3
Bourland	Richard	Owner	Bourland Field Airport	17911 Hwy 377 South		Cresson, TX 76035
Bridges	Paul	Manager	Kenneth Copeland Airport	14355 Morris Dido Rd.		Newark, TX 76071
Bruce	Hollander	Asst. Manager	Arlington Municipal Airport	5000 S. Collins St.	Ste. 100	Arlington, TX 76004
Byers	Randy	Manager	Grand Prarie Municipal Airport	3116 S. Gt Southwest Pkwy		Grand Prarie, TX 75052
Deubner	Mark	Manager	Dallas Love Field Airport	8008 Cedar Spring	LB 16	Dallas, TX 75235
DiVita	Mark	Manager	Lancaster Regional Airport	730 Ferris Rd.	Ste. 102	Lancaster, TX 75146
Dmoney	Judy	Manager	Mid-Way Regional Airport	131 Airport Rd.	Ste. 101	Midlothian, TX 76065
Fegan	Jeffrey	CEO	Dallas Ft. Worth International	P.O. Box 619428 Airport		DFW Airport, TX 75261
Furra	Lana	Manager	Dallas Executive Airport	5303 Challenger Dr.	LB 17	Dallas, TX 75237
Godfrey	Cynthia	Manager	Mesquite Metro Airport	1340 Airport Blvd.		Mesquite, TX 75181
Hickman	Will	Airport Ops Officer	Fort Worth Spinks Airport	13451 Wing Way	Ste. 109	Burleson, TX 76028
Hix	Quentin	Manager	Denton Municipal Airport	5000 Airport Rd.		Denton, TX 76205

Appendix A: Agency Coordination and Public Involvement

LASTNAME	FIRSTNAME	TITLE	AIRPORT	ADDRESS1	ADDRESS2	ADDRESS3
Holden	Harvey	Noise Compatibility Planner	Dallas Ft. Worth International Airport	P.O. Box 619428		DFW Airport, TX 75261
Howerton	Steve	City Manager	Ennis Municipal Airport	115 W. Brown St.		Ennis, TX 75119
Jenkinson	Joel	Manager	Addison Airport	16051 Addison Rd.	Ste. 220	Addison, TX 75001
Lancaster	Sandy	Manager, Noise Compatibility	Dallas Ft. Worth International Airport	P.O. Box 619428		DFW Airport, TX 75261
Porter	Crawford	Owner	Parker County Airport	331 Addison Dr.		Hudson Oaks, TX 76087
Randy	Varner	Environmental Department	NAS Ft. Worth JRB	1215 Military Pkwy		NAS Ft. Worth JRB, TX 76127
Sayers	Michael	Manager	Decatur Municipal Airport	351 Airport Rd.		Decatur, TX 76234
VanWinkle	Karen	Manager	Arlington Municipal Airport	5000 S. Collins St.	Ste. 100	Arlington, TX 76004
Walkowicz	Eddie	Manager	Rockwall Aviation, Inc. (Rockwall Muni Airport)	1701 Airport Road		Rockwall, TX 75087
Ward	Tim	Manager	Ft. Worth Alliance Airport	2221 Alliance Blvd.	Ste. 100	Ft. Worth, TX 76102
Welstead	William	Manager	Ft. Worth Meacham International Airport	4201 N. Main St.	Ste. 200	Ft. Worth, TX 76106
Wiegand	Kenneth	Manager	Collin County Regional Airport at McKinney	P.O. Box 517		McKinney, TX 75070
Wilson	Sharlette	City Manager	Cleburne Regional Airport	1650 Airport Dr.		Cleburne, TX 76033

Exhibit A-1 Early Outreach Sample Letter (Except National Park Service)



U.S. Department
of Transportation
**Federal Aviation
Administration**

Air Traffic Organization
Central Service Center

2601 Meacham Blvd.
Fort Worth, TX 76137

May 3, 2013

Ms. Rhonda M. Smith, Chief, Office of Planning and Coordination
Environmental Protection Agency, Region 6
Compliance Assurance & Enforcement Division
1445 Ross Avenue, Suite 1200
Dallas, TX 75202

**Re: FAA North Texas Optimization of Airspace and Procedures in the Metroplex (OAPM)
Draft Environmental Assessment - Early Notification and Consultation Package and Request
for Agency Input**

Ms. Rhonda M. Smith,

This letter is to let you know that the Federal Aviation Administration (FAA) is preparing an Environmental Assessment (EA) pursuant to the National Environmental Policy Act (NEPA) to consider the potential environmental effects of implementing the North Texas Optimization of Airspace and Procedures in the Metroplex (North Texas OAPM) project, and to request your input for the development of the EA. The North Texas OAPM is one of several projects within FAA's OAPM program proposed to improve the efficiency of the national airspace system and to implement Performance Based Navigation (PBN) procedures developed as part of FAA's NextGen.

The objective of the North Texas OAPM project in the Dallas/Fort Worth Metroplex (D/FW Metroplex) is to optimize aircraft arrival and departure procedures at 21 area airports, including the two largest commercial service airports, Dallas/Fort Worth International Airport (DFW) and Dallas Love Field Airport (DAL) (see attachment 2 for a complete list of airports included in the study). For purposes of the OAPM program, a "metroplex" is a major metropolitan area with multiple airports where air traffic congestion, airport activity in close geographical proximity and other limiting factors combine to reduce efficient aircraft movement. The project proposal includes changing aircraft flight paths and altitudes over some areas of the D/FW Metroplex, but it would not require ground disturbance of any kind, such as construction, nor would it increase the overall number of aircraft operations within North Texas airspace.

FAA has established a 60 nautical mile radius project study area for the EA, centered on DFW Airport, which is the midpoint of the locally controlled airspace. The EA will include an evaluation of potential environmental impacts of proposed changes to current aircraft routing that would occur below 10,000 feet above ground level (AGL) in the study area.

The study area includes the following 29 counties, 26 of which are in Texas and three of which are in Oklahoma: Bosque, Collin, Cooke, Dallas, Denton, Ellis, Erath, Fannin, Grayson, Henderson, Hill, Hood, Hunt, Jack, Johnson, Kaufman, Montague, Navarro, Palo Pinto, Parker, Rains, Rockwall, Somervell, Tarrant, Van Zandt, Wise; Bryan (OK), Love (OK), and Marshall (OK) (see attached graphic for a depiction of the study area).

We welcome your agency's input as we prepare the EA and ask that you please provide any background information your agency may have regarding the study area or that would allow us to

5/3/2013

2

obtain an understanding of any issues, concerns, policies or regulations that your agency may have regarding the environmental analysis to be undertaken in the EA.

In order to streamline data acquisition and reduce duplication of effort for each of the federal, state, and local agencies that will be involved in this process, would you, or your designated representative, please provide us with the appropriate contact information and also act as a single point of contact for your agency throughout the course of the EA process? This could involve disseminating information to your agency's appropriate departments or individuals, acting as your agency's coordinator for providing input to the study, and consolidating your agency's comments on the study materials.

If you wish to provide input for the development of the draft EA, please submit your information by letter, fax or email before May 24th, 2013, to the following address:

Daisy Mather, Environmental Specialist
FAA Central Service Center
Operations Support Group
2601 Meacham Boulevard
Fort Worth, TX 76137
(817) 321-7700 (tel)
(817) 321-7649 (fax)
e-mail address for comments: 9-ASW-NorthTXOAPMcomment@faa.gov

FAA plans to make the draft EA available for public review and comment in September 2013. Notice of its availability will be made by mail, email, project website, notice in local newspapers, and upon request.

For more information about this project, FAA's national OAPM program, other OAPM projects, NEPA, NextGen or airspace optimization, visit <http://www.oapmenvironmental.com/index.html>.

We look forward to working with your agency on the North Texas OAPM EA. Please contact me if you have any questions about this letter.

Sincerely,



Daisy Mather
North Texas OAPM EA Lead

Attachments (3):

1. North Texas OAPM study area graphic
2. Table of airports included in the North Texas OAPM project
3. List of Agencies and Organizations Contacted (federal, state and local, as appropriate)

Exhibit A-2 Early Outreach Sample Letter (Sent only to National Park Service)



U.S. Department
of Transportation
**Federal Aviation
Administration**

Air Traffic Organization
Central Service Center

2601 Meacham Blvd.
Fort Worth, TX 76137

May 3, 2013

Mr. John Wessels, Intermountain Regional Director
National Park Service U.S. Department of the Interior
Big Thicket National Preserve, 12795 Alameda Pkwy
Denver, CO 80225

**Re: FAA North Texas Optimization of Airspace and Procedures in the Metroplex (OAPM)
Draft Environmental Assessment - Early Notification and Consultation Package and Request
for Agency Input**

Mr. John Wessels,

This letter is to let you know that the Federal Aviation Administration (FAA) is preparing an Environmental Assessment (EA) pursuant to the National Environmental Policy Act (NEPA) to consider the potential environmental effects of implementing the North Texas Optimization of Airspace and Procedures in the Metroplex (North Texas OAPM) project, and to request your input for the development of the EA. The North Texas OAPM is one of several projects within FAA's OAPM program proposed to improve the efficiency of the national airspace system and to implement Performance Based Navigation (PBN) procedures developed as part of FAA's NextGen.

The objective of the North Texas OAPM project in the Dallas/Fort Worth Metroplex (D/FW Metroplex) is to optimize aircraft arrival and departure procedures at 21 area airports, including the two largest commercial service airports, Dallas/Fort Worth International Airport (DFW) and Dallas Love Field Airport (DAL) (see attachment 2 for a complete list of airports included in the study). For purposes of the OAPM program, a "metroplex" is a major metropolitan area with multiple airports where air traffic congestion, airport activity in close geographical proximity and other limiting factors combine to reduce efficient aircraft movement. The project proposal includes changing aircraft flight paths and altitudes over some areas of the D/FW Metroplex, but it would not require ground disturbance of any kind, such as construction, nor would it increase the overall number of aircraft operations within North Texas airspace.

FAA has established a 60 nautical mile radius project study area for the EA, centered on DFW Airport, which is the midpoint of the locally controlled airspace. The EA will include an evaluation of potential environmental impacts of proposed changes to current aircraft routing that would occur below 10,000 feet above ground level (AGL) in the study area. The EA will also include an evaluation of potential noise impacts from proposed changes to current aircraft routing between 10,000 and 18,000 feet AGL for national parks.

The study area includes the following 29 counties, 26 of which are in Texas and three of which are in Oklahoma: Bosque, Collin, Cooke, Dallas, Denton, Ellis, Erath, Fannin, Grayson, Henderson, Hill, Hood, Hunt, Jack, Johnson, Kaufman, Montague, Navarro, Palo Pinto, Parker, Rains, Rockwall, Somervell, Tarrant, Van Zandt, Wise, Bryan (OK), Love (OK), and Marshall (OK) (see attached graphic for a depiction of the study area).

We welcome your agency's input as we prepare the EA and ask that you please provide any background information your agency may have regarding the study area or that would allow us to

5/3/2013

2

obtain an understanding of any issues, concerns, policies or regulations that your agency may have regarding the environmental analysis to be undertaken in the EA.

In order to streamline data acquisition and reduce duplication of effort for each of the federal, state, and local agencies that will be involved in this process, would you, or your designated representative, please provide us with the appropriate contact information and also act as a single point of contact for your agency throughout the course of the EA process? This could involve disseminating information to your agency's appropriate departments or individuals, acting as your agency's coordinator for providing input to the study, and consolidating your agency's comments on the study materials.

If you wish to provide input for the development of the draft EA, please submit your information by letter, fax or email before May 24th, 2013, to the following address:

Daisy Mather, Environmental Specialist
FAA Central Service Center
Operations Support Group
2601 Meacham Boulevard
Fort Worth, TX 76137
(817) 321-7700 (tel)
(817) 321-7649 (fax)
e-mail address for comments: 9-ASW-NorthTXOAPMcomment@faa.gov

FAA plans to make the draft EA available for public review and comment in September 2013. Notice of its availability will be made by mail, email, project website, notice in local newspapers, and upon request.

For more information about this project, FAA's national OAPM program, other OAPM projects, NEPA, NextGen or airspace optimization, visit <http://www.oapmenvironmental.com/index.html>.

We look forward to working with your agency on the North Texas OAPM EA. Please contact me if you have any questions about this letter.

Sincerely,



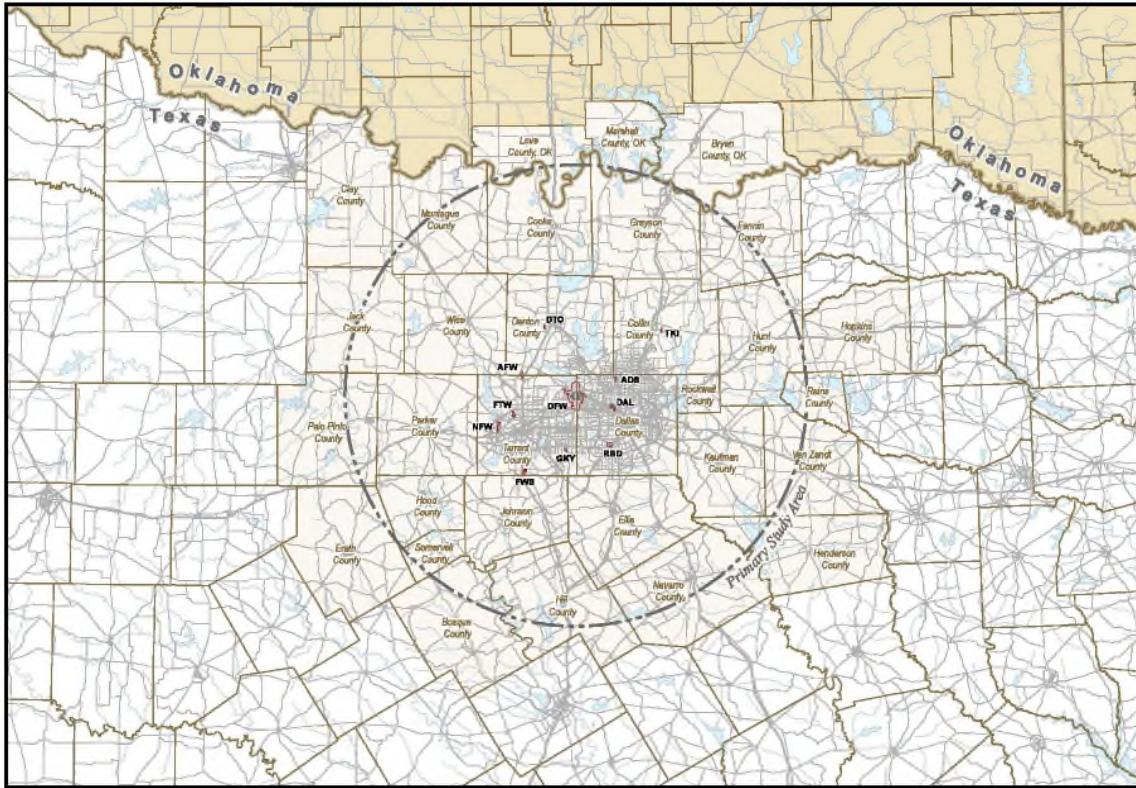
Daisy Mather
North Texas OAPM EA Lead

Attachments (3):

1. North Texas OAPM study area graphic
2. Table of airports included in the North Texas OAPM project
3. List of Agencies and Organizations Contacted (federal, state and local, as appropriate)

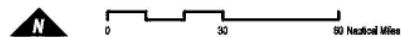
**ATTACHMENT 1
STUDY AREA GRAPHIC**

Preliminary Draft for Discussion Purposes Only



Data Source: National Atlas (Lakes/Evans), September 10, (Updated); Environmental Systems Research Institute, Inc. (State/County Boundaries, Roads, Airport Boundaries), May 03, (2012).

Prepared By: Hens Miller Miller & Hanson Inc., October, 2012



Draft Environmental Assessment
North Texas OAPM
Affected Environment

Federal Aviation Administration Air Traffic Organization

North Texas OAPM EA

Legend:

	Primary Study Area
	Study Airport Boundary
	Texas Counties
	Oklahoma Counties
	Counties within the Study Area
	State Boundary
	County Boundary
	Interstate Highway
	Highways
	Secondary Roads
	Water
	River/Stream

Notes:
Primary Study Area Origin: Center of DFW (Longitude -97.037996, Latitude 32.856626), Radius: 60NM

ADS - Addison Airport
AFW - Fort Worth Alliance Airport
DAL - Dallas Love Field
DFW - Dallas Fort Worth International Airport
DTO - Denton Municipal Airport
FTW - Fort Worth Meacham International Airport
FWS - Fort Worth Spinks Airport
GRV - Arlington Municipal Airport
NFW - Fort Worth Naval Air Station
RBD - Dallas Executive Airport
TKI - Collin County Regional Airport at McKinney

Figure 4-1

Study Area

October 2012

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ATTACHMENT 2 – NORTH TEXAS OAPM STUDY AREA AIRPORTS

AIRPORT NAME	AIRPORT CODE
DALLAS/FORT WORTH INTERNATIONAL AIRPORT	DFW
DALLAS LOVE FIELD AIRPORT	DAL
FORT WORTH MEACHAM INTERNATIONAL AIRPORT	FTW
ADDISON AIRPORT	ADS
FORT WORTH ALLIANCE AIRPORT	AFW
FORT WORTH NAS JRB / CARSWELL FIELD AIRPORT	NFW
COLLIN COUNTY REGIONAL AIRPORT AT MCKINNEY	TKI
ARLINGTON MUNICIPAL AIRPORT	GKY
DENTON MUNICIPAL AIRPORT	DTO
DALLAS EXECUTIVE AIRPORT	RBD
FORT WORTH SPINKS AIRPORT	FWS
LANCASTER REGIONAL AIRPORT	LNC
MESQUITE METRO AIRPORT	HQZ
GRAND PRAIRIE MUNICIPAL AIRPORT	GPM
KENNETH COPELAND AIRPORT	4T2
CLEBURNE REGIONAL AIRPORT	CPT
BOURLAND FIELD AIRPORT	50F
DECATUR MUNICIPAL AIRPORT	LUD
ROCKWELL MUNICIPAL AIRPORT	F46
ENNIS MUNICIPAL AIRPORT	F41
PARKER COUNTY AIRPORT	WEA
MID-WAY REGIONAL AIRPORT	JWY

**ATTACHMENT 3: LIST OF AGENCIES AND ORGANIZATIONS CONTACTED
NORTH TEXAS OAPM ENVIRONMENTAL ASSESSMENT**

Prepared By: Harris Miller Miller Hanson Inc.

DOMAIN	SAL	FIRSTNAME	LASTNAME	TITLE	AGENCY	ADDRESS 1	ADDRESS 2	PHONE
Federal	Ms.	Rhonda M.	Smith	Chief, Office of Planning and Coordination, Region 6	Environmental Protection Agency	Compliance Assurance & Enforcement Division, 1445 Ross Avenue, Suite 1200	Dallas, TX 75202	214-665-2760
Federal	Mr.	John	MacFarlane	Office of Planning and Coordination, Region 6	Environmental Protection Agency	Compliance Assurance & Enforcement Division, 1445 Ross Avenue, Suite 1200	Dallas, TX 75202	214-665-2760
Federal	Mr.	Michael	Jansky	NEPA Specialist, Office of Planning and Coordination, Region 6	Environmental Protection Agency	Compliance Assurance & Enforcement Division, 1445 Ross Avenue, Suite 1200	Dallas, TX 75202	214-665-2760
Federal	Mr.	John	Wessels	Intermountain Regional Director	National Park Service U.S. Department of the Interior	Big Thicket National Preserve, 12795 Alameda Pkwy	Denver, CO 80225	303-969-2503
Federal	Mr.	SG. Thomas	Kull	Commander & Division Engineer, SW Division	U.S. Army Corp of Engineers - Southwest Division	1100 Commerce Street, Suite 831	Dallas, TX 75242-1317	469-487-7907
Federal	Ms.	Siegertone	Neal Johnson	Acting Forest Supervisor	U.S. Department of Agriculture Forest Service	National Forest and Grasslands in Texas, 2221 N. Ragoon Street	Lufkin, TX 75904	936-639-8801
Federal	Mr.	Willie R.	Taylor PhD	Director	U.S. Department of the Interior	Office of Environmental Policy & Compliance, 1849 C Street NW, MS-2540	Washington, DC 20240	202-208-3891
Federal	Mr.	Dan	Thayer	Chief	U.S. Department of the Interior Bureau of Indian Affairs	Environmental Services Staff Office of Trust Responsibilities, Interior Building, 18th & C Street NW, Room 4560	Washington, DC 20245	202-208-3100
Federal	Mr.	Jim	Moore	Planning & NEPA Coordinator	U.S. Department of the Interior Bureau of Land Management	1474 Radio Road	Santa Fe, NM 87505	505-438-7400
Federal	Dr.	Benjamin	Tugge	Regional Director	U.S. Fish & Wildlife Service - Southwest Region	500 Gold Avenue SW	Albuquerque, NM 87102	505-248-6911
Federal	Mr.	Thomas	Karabonoff	Resident Agent in Charge	U.S. Fish & Wildlife Service	601 Folsom Street, Suite 1105	Fort Worth, TX 76115	817-354-5202
Federal	Mr.	Greg	Essinger	Migratory Bird Management Operations Specialist	U.S. Fish & Wildlife Service	500 Gold Avenue SW, 8th Floor	Albuquerque, NM 87102	505-248-6876
Federal	Mr.	Tom	Cloud	Field Supervisor	U.S. Fish & Wildlife Service - Ecological Division	2005 Northeast Green Oaks Blvd, Suite 140	Arlington, TX 76006	817-277-1100
Federal	Ms.	Jamie	Flanders	Regional Representative	US Air Force - FAA Southwest Region	2601 Meacham Blvd, Room 161	Fort Worth, TX 76137	817-222-5913
Federal	Lt. Col.	Brent	Castileman	Regional Representative	US Army - FAA Southwest Region	2601 Meacham Blvd, Room 161	Fort Worth, TX 76137	817-222-5921
Federal	RDML	Roy A.	Nash	Commander, 8th District	US Coast Guard - FAA Southwest Region	Hale Boggs Federal Building, 500 Poydras Street	New Orleans, LA 70130	504-589-6223
State	Kelly	Kennedy		Advisor to TCEQ	Governor's Budget and Planning Office	1100 San Jacinto	Austin, TX 78701	512-463-1778
State	Mr.	David	Van Soest	Regional Director	Texas Commission on Environmental Quality - Region 9	5801 Sanaker Avenue, Suite 2500	Waco, TX 76710-7826	254-751-0335
State	Ms.	Wimona	Henry	Regional Director	Texas Commission on Environmental Quality - Region 3	1977 Industrial Blvd	Arlene, TX 76602-7833	254-696-9674
State	Mr.	Tony	Walker	Regional Director	Texas Commission on Environmental Quality - Region 4	2309 Gravel Drive	Fort Worth, TX 76118-6951	817-588-5800
State	Mr.	Steve	McCraw	Director	Texas Department of Public Safety	P.O. Box 4087	Austin, TX 78773-0001	512-424-2000
State	Mr.	Kick	Rhodes	Administrator	Texas Department of Rural Affairs	700 North Congress Street, 11th Floor	Austin, TX 78701	512-460-7577
State	Mr.	David	Fulton	Aviation Director	Texas Department of Transportation	125 East 11th Street	Austin, TX 78701	512-416-4502
State	Mr.	Mark	Wolfe	Executive Director	Texas Historical Commission	State Historic Preservation Office, 1511 N. Colorado Street, Box 12276	Austin, TX 78711-2276	514-482-6100
State	Mr.	Clayton	Wolfe	Director of Wildlife	Texas Parks & Wildlife Department	4200 Smith School Road	Austin, TX 78744-3292	512-389-8092

Local agencies, elected officials, airport managers, and other potentially interested parties were included in the early outreach mailing. A comprehensive list will be made available upon request.

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A.1.2 Comments Received From the First Announcement

Commenter Name	Agency / Affiliation	Date(s)	Comment	FAA Response	Date(s)
Langdon, Brian	Office of Gov't and Industry Affairs	5/17/13	Please correct Congressman Marchant's name on mailing list	Mailing list updated	5/17/13
Cohn, William	Love Field Citizens Action Committee	5/19/13 5/22/13 8/2/13	Runway 13L departure and Trinity departure concerns as relates to OAPM. Also, requested a meeting, if possible	On July 22 nd (Response letter is included below) the FAA responded to Mr. Cohn's concerns and questions. In the letter it was also highlighted that Mr. Cohn will have an opportunity to review and comment on the findings of the North Texas OAPM DRAFT EA when it is published in September	7/22/13 8/2/13 9/16/13
Hollander, Bruce	Arlington Municipal Airport	5/20/13	Confirmed airport contact and added alternate contact	List updated	5/20/13
White, Pat	Love Field Citizens Action Committee	5/21/13 5/23/13 8/2/13	Requested copy of NTX OAPM Mailing list, concurs with Mr. Bill Cohn's letter.	Mailing list provided as requested. Also, please reference letter to Mr. Cohn dated July 22 nd 2013	5/28/13 7/22/13, 8/2/13, 9/16/13
Wendling, Kendall	NCTCOG	5/22/13	Requested presentation to Regional Coordination Committee in July	FAA provided information requested	July 2013
Malone, Patrick	National Park Service – Intermountain Region	5/24/13	NHL and NNL sites within study area, treat as noise sensitive areas, apply Airspace Circular 91-36, identified Ft. Worth Nature Center and Refuge	FAA response letter is included below. The FAA's analysis determined that AC91-36 would not apply to this project as AC 91-36 relates to VFR operations and recommends flying over requisite properties above	5/28/13

Commenter Name	Agency / Affiliation	Date(s)	Comment	FAA Response	Date(s)
Adkison, Jack	NAS FTW JRB – Regional Coordination Committee	5/23/13	Provided AICUZ map and online link to 2008 Land Use Study with recommendations for compatible growth	2000'. To this end, the FAA is not modifying any VFR operations, nor lowering flying altitudes above any NPS property. Please refer to section 5.1.1 for more information. Additionally, Wildlife would not be adversely impacted as there are no reportable/significant impacts associated with this project. Refer to section 5.5 for more information.	Letter received.
Van Every, Mark E.	USDA, FS	5/29/13	Provided updated contact for Forestry Service.	Mailing list updated	6/6/13
CDR Lierman	FTW JRB	5/30/13	Requested early notification be sent to Tim Gamache, Regional Office Military Rep.	Additional package sent to Mr. Gamache	6/6/13
Hickman, Will	Ft. Worth Spinks Airport	6/4/13	Identified himself as contact for Ft. Worth Spinks Airport	Mailing list updated	6/6/13
Lindley, Bill	Town of Highland Park	6/13/13	Requested Town of Highland Park be included in NTX OAPM notifications, expressed concerns with increased commercial and general aviation traffic at Love Field	Added to mailing list, noted concerns, notified Mr. Lindley of September 2013 release date of draft EA	6/24/13
Hawkins, Gary W.	Granbury Regional Airport	6/24/13	Identified himself as appropriate contact for Granbury Regional Airport	Mailing list updated	6/25/13
Henderson, Linda	Texas Historical	6/24/13	Recommended review of	The EA for this project	6/24/13

Appendix A: Agency Coordination and Public Involvement

Commenter Name	Agency / Affiliation	Date(s)	Comment	FAA Response	Date(s)
	Commission		potential affected properties under Section 106 of National Historic Preservation Act. Agency interested in analysis of direct effects on these types of properties – visual, atmospheric or audible elements.	addresses the effect of the proposed undertaking on historic properties in the study area. Refer to section 5.4 in the EA for more information.	
Boganwright, Brad	City of Highland Park	6/26/13	Requested single family residences exposed to >65DNL be considered stakeholders, identified all of city sensitive to modification of flight tracks, asked to be considered formal stakeholder for remainder of EA process, requested that EA consider alternate noise metrics, questions regarding NextGen and connected actions.	Email response sent stating that the issues raised in the letter received are being considered as the EA is being developed	9/16/13
Streater, Eddie	Bureau of Indian Affairs, Oklahoma	6/27/13	Identified two tribes within study area Chickasaw Nation and Osage Nation, and requested copy of early notification be sent to Southern Plains office	Early notification packages sent to the two tribes and S. Plains BIA office	7/05/13
Heisch, Malvena	Oklahoma State Historic Preservation Office	7/1/13	Requested that the early notification package be sent to Oklahoma Archaeological Survey for review and comment prior to SHPO comment.	Package sent to OAS as requested	7/05/13
Ely, Theresa	National Park Service	7/9/13	Provided response to request for identification of NHL and NNL sites within the study area.	All associated NNL's and NHL's within the general study area were analyzed. See response above ref. Mr.	7/09/13

Commenter Name	Agency / Affiliation	Date(s)	Comment	FAA Response	Date(s)
				Patrick Malone (5/24)	
Deerinwater, Dan	Bureau of Indian Affairs, Southern Plains Office	No date	Reviewed early notification package and determines there are no affected tribal lands within this portion of the study area.	No action required	7/15/13
Munkres, James	Osage Tribal Historical Preservation Office	7/16/13	Concurs that there will be no adverse effects to tribal lands as part of NTX OAPM.	No action required	7/17/13
Livesay, Ali	Oklahoma Archaeological Survey	7/23/13	No objections to NTX OAPM. Finds no impact on prehistoric cultural or archaeological resources of Oklahoma.	No action required	7/25/13

May 23, 2013

Dear Daisy,
Contact information and input for the FAA's North Texas OAPM EA
from the **LFCAC (Love Field Citizens Action Committee)**

Bill Cohn

Captain, Delta Air Lines (retired)
board member LFCAC, member LFEAC (Love Field Environmental Advisory Committee) and member of
the Love Field MPAC (Master Plan Advisory Committee)

4529 Belfort Avenue

Dallas, Texas 75209

214-616-3147

Billcohn73@gmail.com

Pat White

Co-Chair LFCAC,
founding member Love Field NAAC (Noise Abatement Advisory Committee) now part of the LFEAC,
member of the Love Field MPAC

4714 Wildwood Road

Dallas, Texas 75209

214-352-7872

charles4@airmail.net

With the Wright Amendment set to expire shortly after the completion of the FAA's North Texas OAPM, the LFCAC wants to reiterate the point made in Bill's input letter (also attached) that Love Field departures and its ground track priorities can no longer take second place to DFW traffic flow. Traffic at Love Field is expected to grow significantly, likely at the expense of DFW.

If the Trinity departure on 13R were to become available 24 hours a day, the noise abatement issue would become a far less contentious issue at DAL. Love Field traffic planners should be given claim to the airspace adjacent to this track.

DFW does not have noise abatement issues. Love Field's noise abatement issues are serious and critical to the City of Dallas and its citizens. It has taken decades to achieve an uneasy peace between Love Field and the city around it. The North Texas OAPM provides an opportunity to resolve the most serious of the noise issues for the minimum 97,000+* citizens impacted by Love Field noise.

The results of the OAPM can substantially resolve the noise impact or, at worst, greatly increase it.
Good solutions are not always easy but they are worth achieving.

Also, Chuck Reeder, LFCAC board member and attorney, is currently out of the country and might wish to have some input on his return to clarify some legal considerations.

Sincerely,
Pat

* *Dallas Love Field Airport Impact Analysis/ Master Plan, Executive Summary*, March 2001.
Estimate of citizens living in the 55-75 DNL contours in 2010- using the FAA's Integrated Noise Model and actual data from the airport's noise monitoring system. The contours were based two conditions 1. Wright Amendment remaining in place and 2. Smaller, quieter regional jets providing projected increase in traffic.
Neither one of these conditions will exist when the Wright Amendment is gone in October of 2014.

Subject: North Texas OAPM-EA

Daisy,

I enjoyed visiting briefly with you by telephone yesterday. Again, the Town is appreciative of being included to the FAA contact list concerning the OAPM process
http://oapmenvironmental.com/ntx_metroplex/ntx_introduction.html
for the North Texas region. The associated noise increases by commercial and general aviation activities associated with Dallas Love Field have increasingly become of extreme importance the last few months to our residents. By this email I am copying the Town's Mayor and former Dallas County Judge Keliher (resident) who both are actively involved in encouraging the City of Dallas to curtail airport associated noise.

Bill

Bill Lindley Town administrator Town of Highland Park
4300 MacArthur Drive, Suite 170 | Highland Park, Texas 75209 | www.hptx.org | bill@hptx.org
214-559-9444 (direct) | 214-559-9335 (fax) | 214-226-9485 (cell) | 817-410-2338 (personal)

From: 9-ASW-NorthTXOAPMcomment@faa.gov [mailto:9-ASW-NorthTXOAPMcomment@faa.gov]
Sent: Monday, June 24, 2013 10:42 AM
To: Bill Lindley
Cc: Margaret Keliher; Joel Williams
Subject: Re: North Texas OAPM-EA

Hi Bill,

It was good to speak with you, too. We have added your email address to the mailing list for the North Texas OAPM environmental assessment (EA) and made note of your noise concerns so that we may respond to them in the EA.

The draft EA will be out for public review and comment in September. If you have comments about the environmental impact assessment process in the meantime, please let me know.

Daisy

Daisy Mather
Environmental Protection Specialist
FAA, ATO Central Service Center
Airspace and Procedures South Team
Operations Support Group, AJV, C22
2601 Meacham Blvd. (4500 Mercantile Plaza)
Fort Worth, TX 76137
9-ASW-NorthTXOAPMcomment

Appendix A: Agency Coordination and Public Involvement

Dear Ms. Mather,

We received notice about the development of your draft EA on May 13. Based on our review of the similar Houston Optimization of Airspace and Procedures in the Metroplex (OAPM), here are our comments:

The review staff, led by Linda Henderson and Adam Alsobrook, has completed its review of the material submitted, and we understand that the North Texas Optimization of Airspace and Procedures in the Metroplex (North Texas OAPM) project will involve changes in aircraft flight paths and altitudes in certain areas in order to optimize aircraft arrival and departure procedures at 21 area airports, including Dallas-Fort Worth International (DFW) and Dallas Love Field). The FAA has established a 60-nautical-mile radius project study area for the EA, centered on DFW Airport, and the EA will include an evaluation of potential environmental impacts of proposed changes to current aircraft routing that would occur below 10,000 feet above ground level in the study area, which includes 26 Texas counties: Bosque, Collin, Cooke, Dallas, Denton, Ellis, Erath, Fannin, Grayson, Henderson, Hill, Hood, Hunt, Jack, Johnson, Kaufman, Montague, Navarro, Palo Pinto, Parker, Rains, Rockwall, Somervell, Tarrant, Van Zandt, and Wise. We look forward to reviewing the EA.

The OAPM undertaking will be subject to Section 106 of the National Historic Preservation Act of 1966, which requires that federal agencies take into account the effects of their undertakings on historic properties. As part of consultation under Section 106, the EA should address the effect of the proposed undertaking on historic properties in the study area. An effect occurs when an action alters the characteristics of a property that qualify it for listing in the National Register of Historic Places, including changes to the property's location, design, setting, materials, workmanship, feeling, and association. An undertaking of this type would not have the potential to directly affect historic resources, so we will be interested in an analysis of indirect effect. The introduction of visual, atmospheric or audible elements that diminish the integrity of the properties' significant historic features would be considered to adversely affect the historic resources.

Please let me know if you have any questions.

Best,

Linda

Linda Henderson
Historian, Federal Programs
History Programs Division
Texas Historical Commission
P.O. Box 12276
Austin, Texas 78711-2276
phone: 512/463-5851
www.thc.state.tx.us

Subject: FW: Message from Mr. Boganwright Fw: North Texas OAPM

Mrs. Mather,

My name is Brad Boganwright, I'm the Manager of Town Services for the Town of Highland Park. I'm just wanting to see if you would be able to give me a summary, in laymen's terms, of the environmental study you are conducting. I also have a few questions I hope you can answer as well. Please note, I have no background in anything aviation, I'm trying to learn as much as can. This is due to the new construction that Dallas-Love Field is currently involved in, and is has increase air-traffic, and air-traffic noise throughout the Town of Highland Park that is becoming a major topic of concern, and disrupting our residents quality of life. Because of that, I would like to note and request that:

- A. Land in the Town of Highland Park has significant noise impacts (single family residential properties exposed to greater than 65 DNL) from Love Field and therefore the Town should be considered a key stakeholder.
 - B. The remainder of Highland Park has high sensitivity to the modification of flight track, particularly as they could be modified from RPN procedures
 - C. Highland Park request to be included as a formal stakeholder for the remainder of the Environmental Assessment (EA) process.
 - D. Highland Park requests that the noise analysis in the EA consider alternate noise metrics, like single even and time above
-
1. What is the "NextGen" technology?
 2. And is going to be a requirement by the FAA for all airports to utilize it?
 3. If so, when is it expected to be implemented (year)
 4. Does your current OAPM study tie in with the NextGen technology?
 5. What exactly is the OAPM going to accomplish?
 6. What are the goals of the study?
 7. Is this study to determine if the Dallas Metroplex qualifies for the NextGen navigation technology?
 8. If so, when is this technology expected to go live/implemented in the Dallas Metroplex region
 9. Will the EA study look at direct impacts and connected actions, particularly how airspace changes will impact runway use decisions?
 10. If not, can we request that the study include these impacts?

Again, I would appreciate any information and professional courtesy you can send my way, to understand the scope, goals, and potential outcomes of the this study. I do appreciate your time very much. I look forward to hearing back from you, and I hope you have a wonderful day.

Very respectfully,

Brad Boganwright
Manager of Town Services
Town of Highland Park
O: 214-559-9353
E: bboganwright@hptx.org
www.hptx.org
www.hp4u.org

William F. Cohn

4529 Belfort Avenue • Dallas, TX 75205
Phone: 214.616-3147 • E-Mail: billcohn73@gmail.com

Date: May 19, 2013

Daisy Mather, Environmental Specialist
FAA Central Service Center, Operations Support Group
2601 Meacham Boulevard
Fort Worth, TX 76137
(817)321-7700

Dear Daisy:

Along with other members of the Love Field Citizens Action Committee, I received your notification letter, concerning the FAA North Texas Optimization of Airspace and Procedures in the Metroplex (OAPM) Draft Environmental Assessment. Thank you for soliciting our input in this area of critical interest for our citizens.

Our citizens group (LFCAC) was created years ago when the official plans to permanently close Love Field were reversed by civil lawsuit brought by Southwest Airlines. While the Love Field neighbors felt a promise had been broken, in the ensuing years we have advocated airport and airspace procedures to mitigate the noise impact of our inner city airport. During this time, we have worked with Love Field management to reach two helpful, but flawed, approaches to noise abatement.

1. The Trinity Departure on Runway 13R.
2. Preferential Runway Program during night operations (voluntary).

The Trinity Departure is the good result of thoughtful ground track selection for minimal community noise impact. In addition, by directing a quick turn to the right, it provides early aircraft separation from a following 13L departure. The only flaw is that Air Traffic Controllers do not assign this departure, except during night operations.

The Love Field Preferential Runway Program seeks to direct traffic to depart only on 13R during night operations. The flaw is that the Program is strictly voluntary. A pilot only has to request 13L and the controller must comply with the request. Pilots are not required to give the reason for ignoring the Preferential Runway Program. For operators wishing only to save a minute of taxi time, the request is routinely made, making a mockery of this "Program".

Currently, Love Field departures are considered lower priority than DFW traffic flow, which takes no consideration whatsoever of Love Field ground track priorities. It is rare that a Trinity Departure can be accommodated during daytime operations, because DFW traffic planners have already laid claim to airspace adjacent to that track.

We believe that OAPM you are announcing is an opportunity to resolve these contentious issues. By establishing the Trinity Departure as the routine 13R departure in the new comprehensive airspace realignment, the flow from Dallas Love Field becomes predictable and community conscious at the same time.

The other major issue for the Love Field community is the use of Runway 13L departures. These are by far the worst offenders in terms of noise complaints. The current procedure for departing aircraft is to fly runway heading. The prevalent wind direction is from the south (180 degrees), not the runway direction of 180 degrees. So, on a typical day, departing aircraft drift left of extended runway centerline, directly over noise sensitive neighborhoods. This drift to the left is not occasional; it is the most likely outcome given the prevailing winds throughout the year.

Until now, the argument for flying runway heading on 13L departures is that assigning another heading such as 135 or 140 degrees could negatively impact 13R departures. Fortunately, when 13R departures are Trinity Departures (by directing a quick turn to the right), the potential traffic conflict issue is mitigated. This reinforces the need for Trinity Departures as a matter of routine, day and night.

The low-tech solution of assigning 140 degrees as the routine departure heading for Runway 13L would be a significant improvement over current conditions. By applying this predominate wind correction, aircraft would closely fly extended runway centerline, which is approximately over Lemmon Avenue.

From a 13L noise abatement standpoint, the airspace over Lemmon Avenue is perhaps our greatest resource. Lemmon Avenue is closely aligned with 13L extended centerline, it is 6 lanes wide, and populated by Home Depot, car lots, fast food restaurants, etc. Flying over Lemmon provides the least noise impact of any 13L departure track.

Looking to the future, the increasing use of GPS as an onboard aircraft technology would allow a 13L GPS departure that would track Lemmon Avenue, using GPS fixes over that thoroughfare.

In conclusion, the noise abatement situation at Love Field has been a point of contention for many years. The reason is that the airspace in the Metroplex was planned to accommodate traffic from DFW, with little consideration of Love Field operations. Even airspace adjacent to the departure area of Love Field was claimed by DFW Airport traffic planners.

Now that the airspace realignment process is underway, there is an opportunity, and a duty, to incorporate Love Field operations in the overall plan. With the expiration of the Wright Amendment approaching, Love Field operations are expected to grow dramatically, most likely at the expense of DFW Airport. Love Field environmental considerations must now be considered a priority from the beginning, not as an afterthought. If we don't plan now for the change in the mix of our overall Metroplex operations, we will find ourselves redoing the plan all over again very soon.

Sincerely,

William F. Cohn
Captain, Delta Air Lines (Retired)
Board Member, Love Field Citizens Action Committee
Member, Love Field EAC



U.S. Department
of Transportation
**Federal Aviation
Administration**

Air Traffic Organization
Central Service Center

2601 Meacham Blvd.
Fort Worth, TX 76137

July 22, 2013

Mr. William F. Cohn
4529 Belfort Ave
Dallas, TX 75205

Re: North Texas OAPM EA
Early Coordination Package
Response to Comments

Dear Mr. Cohn,

Thank you for your letter of May 19, 2013 that responded to the Federal Aviation Administration's (FAA) North Texas Optimization of Airspace Procedures in a Metroplex (NTX OAPM) Environmental Assessment (EA) Early Coordination Package. We appreciate the time you took to prepare the letter and acknowledge your aviation experience and background.

In your letter you included several questions and comments about airspace procedures in the DFW Metroplex, runway usage at DFW and DAL, and the use of noise abatement procedures at DAL. In order to respond to the issues you raised, air traffic control specialists from both DFW and DAL reviewed your letter and provided much of the following information.

FAA is very cognizant of the voluntary DAL preferential runway use program that is utilized between the hours of 2100L and 0600L and we are active participants in that program. We also actively participate in the quarterly Love Field Environmental Action Committee (LFEAC) meetings that are held at DAL Airport. This enables us to remain aware of the issues that are currently being addressed by the airport and the Committee. And certainly, we want to be the best neighbors possible to the surrounding communities as we manage one of the largest metropolitan aviation systems in the world.

Please know that the traffic that utilizes DAL Airport is treated with the same priority as traffic that uses DFW and other Metroplex airports. Airspace adjacent to DAL is primarily utilized for DAL prop and jet arrivals/departures as well as traffic arriving and departing Addison (ADS) airport. Our primary objective is to ensure that air traffic is managed safely and efficiently to and from all airports. A major element of this endeavor is integrating the movement of traffic to each individual airport while minimizing the impact to adjacent airports as much as possible.

You suggested greater use of the Trinity departure procedure. However, the use of the Trinity departure during the hours of 0600L to 2100L would reduce the efficiency of air traffic movements to both DFW and DAL airports. Turbojet and prop departure traffic, which are currently segregated, would be required to be constrained to the same, rather than diverging, departure flows, which would result in delays and losses of efficiency.

Additionally, a major objective of OAPM is to develop and utilize satellite navigation procedures (RNAV/RNP). The Trinity departure does not meet the current FAA criteria for RNAV departure design. Thus, a RNAV departure procedure that duplicates the Trinity departure cannot be developed. As a result of both of the above issues, the full time use of the Trinity departure cannot be supported.

Details of the North Texas OAPM project proposal will be available in the Draft Environmental Assessment, which will be released in September 2013. Generally, however, it is important to note that OAPM design team is evaluating RNAV off the ground (OTG) departure procedures at DAL, which may have the potential to result in less wind drift and generate more precise, repeatable departure tracks. However, as we do at all airports, FAA will comply with all runway use programs that are mandated by the local airport authority. In fact, we strive to generate a safe and efficient air traffic system that complies with all environmental requirements.

Thank you for your interest in our OAPM project. We look forward to working with you and your community as the project progresses toward completion in the coming months and years.

If you have any questions about this letter, please call me at (817) 321-7700, or write to 9-ASW-NorthTXOAPMcomment@faa.gov.

Sincerely,



Daisy Mather
Environmental Specialist
North Texas OAPM EA

cc: Greg Juro, FAA
 Doug Boyson, FAA
 Mark Phipps, FAA
 Ed Hulsey, NATCA
 Tom Lattimer, FAA
 Lynn Lunsford, FAA



United States Department of the Interior
BUREAU OF INDIAN AFFAIRS
Eastern Oklahoma Region
Eastern Oklahoma Regional Office
P.O. Box 8002
Muskegee, OK 74402-8002



Division of Environmental and
Cultural Resources Management

JUN 27 2013

Ms. Daisy Mather
FAA Central Service Center
2601 Meacham Boulevard
Fort Worth, Texas 76137

Dear Ms. Mather:

On June 24, 2013, the Bureau of Indian Affairs, Eastern Oklahoma Region, received an early notification from the Federal Aviation Administration (FAA), concerning a draft Environmental Assessment. The draft will cover the study area of the North Texas Optimization of Airspace and Procedures in the Metroplex project. The proposed project would take place in a 60 nautical mile radius circle centered on Dallas/Ft. Worth International Airport, covering portions of southern Love, Marshall, and Bryan Counties, Oklahoma. This office has no comments regarding the project.

Please note, the date for input shown on page 2 of the notification is incorrect. The date of May 31, 2013, should be July 15, 2013.

Two Federally Recognized Tribes have been provided the notice by copy of this letter. As the Tribes may have environmental and/or cultural resources concerns relating to this action, it is recommended that FAA coordinate directly with them on any of their concerns. The contact addresses are enclosed.

If additional information is required, please contact Ms. Jonna Polk, Division Chief, Division of Environmental and Cultural Resources Management, at (918) 781-4660.

Respectfully,


Regional Director

Enclosure

Honorable Bill Anoatubby
Governor, Chickasaw Nation
P.O. Box 1548
Ada, OK 74821
Phone: (580) 436-2603
Fax: (580) 436-4287

Doctor Andrea Hunter
Tribal Historic Preservation Officer,
Osage Nation
P.O. Box 779
Pawhuska, OK 74056
Phone: (918) 287-5432
Fax: (918) 287-2257



United States Department of the Interior
NATIONAL PARK SERVICE
INTERMOUNTAIN REGION
12795 West Alameda Parkway
Post Office Box 25287
Denver, Colorado 80225-0287



In Reply Refer to:
N44

May 24, 2013

Daisy Mather
Environmental Specialist
FAA Central Service Center, Operations Support Group
2601 Meacham Boulevard
Fort Worth, TX 76137

Dear Ms. Mather:

This message is in response to your letter, dated May 3, 2013, with a request for input on the North Texas Optimization of Airspace and Procedures in the Metroplex (OAPM) Draft Environmental Assessment (EA). Although the National Park Service (NPS) does not have any NPS units in the 60 nautical mile (NM) radius study area for the North Texas OAPM EA, the area includes one National Natural Landmark (NNL) site of concern and several National Historic Landmark (NHL) sites. NHLs are protected by Section 110 of the National Historic Preservation Act.

The Fort Worth Nature Center and Refuge was designated by the Secretary of the Interior as a National Natural Landmark in 1980. Located approximately 20 NM west of Dallas/Fort Worth International Airport, this city of Fort Worth park is nationally recognized as an outstanding example of the cross timbers-plains association. The cross timbers forests, prairies and river bottom hardwood forest communities found at this site provide excellent habitat for a high diversity of wildlife species, including over 200 species of birds. Set within a matrix of urban development and agricultural uses, this NNL is a refugium for native biological communities and wildlife species that were once common throughout the historic Fort Worth Prairie region. Any Performance Based Navigation (PBN) or Optimized Profile Descent (OPD) routes that would increase flyover noise at this site would likely adversely impact wildlife.

All NNL and NHL sites should be treated as sensitive noise areas and as such Airspace Circular 91-36 applies to these areas. We request that the FAA take into consideration any potential impacts to these nationally significant areas during evaluation of aircraft flight paths and altitudes as part of the North Texas OAPM EA process.

We remain interested in the FAA's Next Generation Air Transportation System (NextGen) and associated benefits from PBN routes and OPD procedures. We would welcome the opportunity to participate in any PBN route optimization for the North Texas OAPM EA and learn more details regarding the national schedule for transition to PBN routes and OPD procedures at airports near NPS units.

For additional information please contact, Theresa Ely, Soundscape and Night Sky Coordinator, at theresa_ely@nps.gov or 303-969-2653.

Sincerely,



Patrick Malone
Assistant Regional Director, Natural Resources
Intermountain Region

Cc:

Theresa Ely, Soundscape and Night Sky Coordinator, Intermountain Region
Heather Germaine, NNL Coordinator, Intermountain Region
Randy Stanley, Physical Scientist, Intermountain Region
Tom Keohan, NHL Coordinator, Intermountain Region
Cheryl Eckhardt, Environmental Compliance Specialist, Intermountain Region
Vicki McCusker, Overflights Branch Chief, Natural Sounds & Night Skies Division



Air Traffic Organization
Central Service Center

2601 Meacham Blvd.
Fort Worth, TX 76137

June 12, 2013

Mr. Patrick Malone
Assistant Regional Director, Natural Resources
Intermountain Region
National Park Service
12795 W. Alameda Parkway
Lakewood, CO 80228

Re: FAA North Texas Optimization of Airspace and Procedures in the Metroplex (OAPM) Draft Environmental Assessment - National Natural Landmarks and National Historic Landmarks

Dear Mr. Malone:

Thank you for your response to the FAA's early consultation package for the North Texas OAPM EA. In response to your inquiry about the inclusion of National Natural Landmarks and National Historic Landmarks in the project area we have identified a list of potential NNL and NHL locations to be included in and modeled as part of the study area.

National Natural Landmarks:

Site	Year Des.	Address	Latitude	Longitude
Dinosaur Valley State Park	1968	Glen Rose, TX 76043	32.25151	97.8122
Fort Worth Nature Center & Refuge	1980	9601 Fossil Ridge Rd., Fort Worth, TX 76135	32.84483	97.4772
Greenwood Canyon	1975	Greenwood Ln., Forestburg, TX 76239	33.51152	97.5794

National Historic Landmarks:

Site	City	State	Type	Latitude	Longitude
Dealey Plaza Historic District	Dallas	Texas	District	32.778866	96.808439
Fair Park Texas Centennial Buildings	Dallas	Texas	District	32.781401	96.763688
Fort Richardson	Jacksboro	Texas	Building	33.207109	98.163137
Highland Park Shopping Village	Highland Park	Texas	Building	32.835738	96.805609
Porter Farm	Terrell	Texas	Site	32.772912	96.277527
Rayburn Samuel T. House	Bonham	Texas	Building	33.569913	96.207512

In an effort to ensure that we identify all properties of interest to the National Parks Service, we would appreciate your assistance in providing any additional locations that have not been identified above.



U.S. Department
of Transportation
**Federal Aviation
Administration**

Air Traffic Organization
Central Service Center

2601 Meacham Blvd.
Fort Worth, TX 76137

Please provide information for them in the following format:

Formal Name	City	State	Type	Latitude	Longitude
-------------	------	-------	------	----------	-----------

If we have correctly identified all sites of interest to the NPS within the project study area, please provide your confirmation instead.

Thank-you in advance for your assistance. If you have any questions, please feel free to contact me at my office number or email below.

Sincerely,

Daisy Mather
North Texas OAPM EA Lead

**FAA Central Service Center
Operations Support Group
2601 Meacham Boulevard
Fort Worth, TX 76137
(817) 321-7700 (tel)
(817) 321-7649 (fax)
e-mail: 9-ASW-NorthTXOAPMcomment@faa.gov**

TRANSMITTED VIA EMAIL – NO HARDCOPY TO FOLLOW

July 9, 2013

Re: North Texas OAPM NNL and NHLs in Study Area

Hi Daisy,

The NPS would like to submit the following comments in response to our phone call and your email of June 25, 2013.

There are three National Natural Landmark (NNL) sites located within the 60 NM radius identified for the EA study area. However, landmark designation for Greenwood Canyon and Dinosaur Valley, is in recognition of the fossil resources discovered at these sites. Given the focus of the designation at these two NNLs, there is no potential for impact to the significant NNL resources from the project under evaluation. They can thus be removed from consideration for the purposes of this EA. However, for the reasons previously stated in the initial NPS response, we would appreciate consideration be given to the significant resources at the Fort Worth Nature Center and Refuge NNL.

Regarding the National Historic Landmark sites, the chart is accurate except that both the Ft. Richardson and Highland Park Shopping Village should be listed as districts.

Thanks for the opportunity to comment!

Theresa Maguire Ely
Soundscapes and Night Skies Coordinator
Natural Resources Program - Intermountain Region
National Park Service
12795 W Alameda Parkway
Lakewood, CO 80228
303 969 2653 work
720 320 3455 blackberry-cell
303 969 2717 fax



U.S. Department
of Transportation
**Federal Aviation
Administration**

Air Traffic Organization
Central Service Center

2601 Meacham Blvd.
Fort Worth, TX 76137

September 10, 2013

Ms. Melvena Heisch
Deputy State Historic Preservation Officer
Oklahoma State Historic Preservation Office
800 Nazih Zuhdi Drive
Oklahoma City, OK 73105

**Re: FAA North Texas Optimization of Airspace and Procedures in the Metroplex (OAPM)
Draft Environmental Assessment - Oklahoma Archaeological Survey Response**

Dear Ms. Heisch,

At your request, our team provided a copy of the early outreach package for the North Texas OAPM Draft Environmental Assessment to the Oklahoma Archaeological Survey for their review and comment.

I have attached the response we received from the Archaeological Survey for your review. We hope that this information will help to inform your input. Please provide any background information your agency may have regarding the study area or that would allow us to obtain an understanding of any issues, concerns, policies or regulations that your agency may have regarding the environmental analysis to be undertaken in the EA. Please submit your information by letter, fax or email before **August 15th, 2013**, to the following address:

**Daisy Mather, Environmental Specialist
FAA Central Service Center
Operations Support Group
2601 Meacham Boulevard
Fort Worth, TX 76137
(817) 321-7700 (tel) • (817) 321-7649 (fax) • e-mail: 9_ASW-NorthTXOAPMcomment@faa.gov**

FAA plans to make the draft EA available for public review and comment in September 2013. Notice of its availability will be made by mail, email, project website, notice in local newspapers, and upon request. For more information about this project, FAA's national OAPM program, other OAPM projects, NEPA, NextGen or airspace optimization, visit <http://www.oapmenvironmental.com/index.html>.

We look forward to working with your agency on the North Texas OAPM EA. Please contact me if you have any questions about this letter.

Sincerely,

A handwritten signature in blue ink that reads "Daisy Mather".

Daisy Mather
North Texas OAPM EA Lead

Attachment: OK Archaeological Survey Letter dated 7/23/13



Oklahoma Archeological Survey

THE UNIVERSITY OF OKLAHOMA

July 23, 2013

Daisy Mather
Federal Aviation Administration
2601 Meacham Blvd.
Fort Worth, TX 76137

RE: FAA North Texas Optimization of Airspace and Procedures in the Metroplex (OAPM) Draft Environmental Assessment – Early Notification and Consultation Package and Request; Bryan, Love, and Marshall Counties, Oklahoma.

Dear Ms. Mather:

Our office has no objections to the referenced project. The nature of the project is such that it should have no impact on the prehistoric cultural or archaeological resources of Oklahoma. This review is conducted in cooperation with the State Historic Preservation Office, Oklahoma Historical Society, and you must also have a letter from that office to document your consultation pursuant to Section 106 of the National Historic Preservation Act.

Sincerely,

Ali Livesay
Ali Livesay
Staff Archaeologist

Robert L. Brooks

Robert L. Brooks
State Archaeologist

:ls

Cc: SHPO

111 E. Chesapeake, Room 102, Norman, Oklahoma 73019-5111 PHONE: (405) 325-7211 FAX: (405) 325-7604
A UNIT OF ARTS AND SCIENCES SERVING THE PEOPLE OF OKLAHOMA





**Naval Air Station Fort Worth, Joint Reserve Base (NAS Fort Worth, JRB)
Regional Coordination Committee (RCC)**

May 23, 2013

Voting Entities

City of Benbrook
City of Fort Worth
City of Lake Worth
City of River Oaks
City of Sansom Park
City of Westworth Village
City of White Settlement
Tarrant County

Ms. Daisy Mather
Environmental Specialist

FAA Central Service Center
Operations Support Group
2601 Meacham Boulevard
Fort Worth, TX 76137

Dear Ms. Mather:

Thank you for notifying the Regional Coordination Committee (RCC) of the North Texas Optimization of Airspace and Procedures in the Metroplex (OAPM) project. The RCC is committed to encouraging compatible growth and increasing intergovernmental coordination around the Naval Air Station Fort Worth, Joint Reserve Base (NAS Fort Worth, JRB) in Western Tarrant County.

Non-Voting Entities

Benbrook Area
Chamber of Commerce
DOD Office of Economic
Adjustment

Fort Worth Chamber
of Commerce

Fort Worth Independent
School District

Fort Worth Transportation
Authority

Lockheed Martin

Naval Air Station Fort Worth,
Joint Reserve Base

North Central Texas
Council of Governments

Northwest Tarrant
Chamber of Commerce

Tarrant Regional Water
District

Texas Department of
Transportation

Tri-City Area
Chamber of Commerce

White Settlement Area
Chamber of Commerce

To assist with the Environmental Assessment process, the Committee would like to provide you with background information on the noise and safety considerations around NAS Fort Worth, JRB. A map of the Air Installation Compatible Use Zones (AICUZ) around the base is attached. The AICUZ boundaries delineate areas that are currently most affected by aircraft noise as well as areas that have the greatest potential for accidents.

Additionally, through a Joint Land Use Study (JLUS) completed in 2008, recommendations for local governments were developed to promote compatible growth that supports the mission of NAS Fort Worth, JRB. The report includes suggested compatible land uses within the base noise contours. The final report can be viewed at www.nctcog.org/trans/aviation/jlus/FinalJLUSReportMarch2008.pdf.

On behalf of the RCC, thank you for your efforts to make aircraft movement in the Metroplex more efficient. If you have any questions or concerns about the information provided, please feel free to contact me at (817) 732-5029 or Tamara Cook at (817) 608-2395.

Sincerely,

Jack Adkison, Chair
Regional Coordination Committee

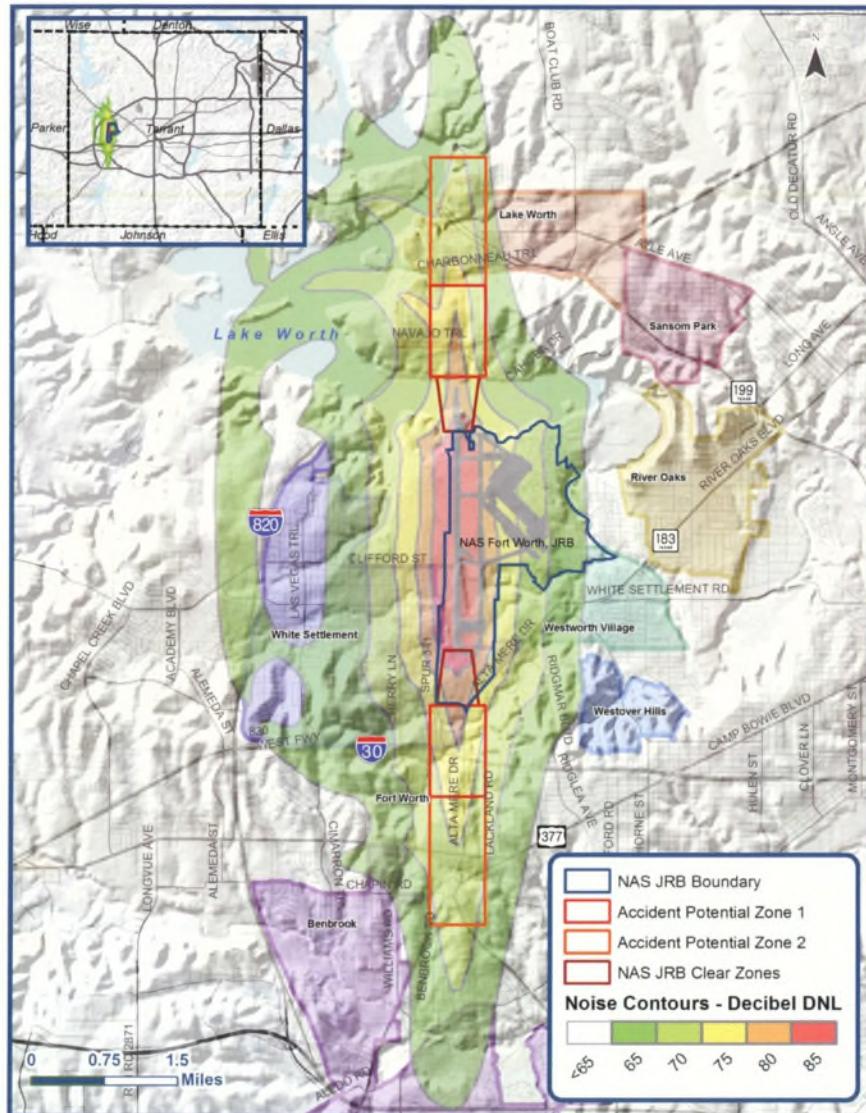
KCW:jh
Enclosures

cc: RCC Officers
Rachel Wiggins, Community Planning Liaison Officer, NAS Fort Worth, JRB

www.nctcog.org/rcc

Local governments surrounding the Naval Air Station Fort Worth, Joint Reserve Base have voluntarily formed the Regional Coordination Committee to promote and preserve the military mission at the installation. The Committee is responsible for encouraging compatible land use planning, conducting community outreach, and participating in military affairs surrounding NAS Fort Worth, JRB.

Naval Air Station Fort Worth, Joint Reserve Base





United States
Department of
Agriculture

Forest
Service

National Forests and Grasslands
in Texas
Supervisors Office

2221 North Raguet Street
Lufkin, TX 75904
Phone 936-639-8501
TDD# 936-639-8560

File Code: 1950
Date: May 29, 2013

Daisy Mather
Environmental Specialist
FAA Central Service Center, Operations Support Group
2601 Meacham Boulevard
Fort Worth, TX 76137

Dear Ms. Mather:

Thank you for providing information about the Federal Aviation Administration's proposed North Texas Optimization of Airspace and Procedures in the Metroplex project which lies adjacent to the Caddo/LBJ National Grasslands. The National Forests and Grasslands in Texas have no concerns or issues about the project at this time.

Future correspondence can be sent directly to Lynn, Jackson, Forest Planner/NEPA Coordinator, 2221 N. Raguet, Lufkin, TX 75904.

Sincerely,

Verma Coleman (gw)
MARK E. VAN EVERY
Forest Supervisor



America's Working Forests – Caring Every Day in Every Way

Printed on Recycled Paper





Oklahoma Historical Society

State Historic Preservation Office

Founded May 27, 1893

Oklahoma History Center • 800 Nazih Zuhdi Drive • Oklahoma City, OK 73105-7917
(405) 521-6249 • Fax (405) 522-0816 • www.okhistory.org/shpo/shpom.htm

July 1, 2013

Ms. Daisy Mather
FAA Central Service Center
Operations Support Group
2601 Meacham Boulevard
Fort Worth, TX 76137

RE: File #1723-13; FAA Proposed North Texas OAPM in Bryan, Love & Marshall Counties in Oklahoma

Dear Ms. Mather:

We have received and reviewed the documentation submitted on the referenced project in Bryan, Love & Marshall Counties. Additionally, we have examined the information contained in the Oklahoma Landmarks Inventory (OLI) files and other materials on historic resources available in our office. We find that there are no known historic properties affected within the referenced project's area of potential effect.

In addition to our review, you must contact the Oklahoma Archeological Survey (OAS), 111 E. Chesapeake, #102, Norman OK 73019-5111 (#405/325-7211, FAX #405/325-7604), to obtain a determination about the presence of prehistoric resources that may be eligible for the National Register of Historic Places. Should the OAS conclude that there are no prehistoric archaeological sites or other types of "historic properties," as defined in 36 CFR Part 800.16(l), which are eligible for inclusion in the National Register of Historic Places within the project area and that such sites are unlikely to occur, we concur with that opinion.

The OAS may conclude that an on-site investigation of all or part of the project impact area is necessary to determine the presence of archaeological resources. In the event that such an investigation reveals the presence of prehistoric archaeological sites, we will defer to the judgment of the OAS concerning whether or not any of the resources should be considered "historic properties" under the Section 106 review process. If sites dating from the historic period are identified during the survey or are encountered during implementation of the project, additional assessments by the State Historic Preservation Office will be necessary.

Should further correspondence pertaining to this project be necessary, please reference the above underlined file number. If you have any questions, please contact Catharine M. Wood, Historical Archaeologist, at 405/521-6381. Thank you.

Sincerely,

A handwritten signature in black ink, appearing to read "Melvena Heisch".

Melvena Heisch
Deputy State Historic
Preservation Officer

MH:jr

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A.1.3 Outreach Meetings

The FAA's North Texas OAPM team held two information sharing meetings with Dallas Fort Worth International Airport, one information-sharing meeting with Dallas Love Field Airport as well as one information-sharing meeting with North Central Texas Association of Governments. The meetings were focused on discussing the overall OAPM program and the underlying environmental process. Details of all associated meetings are a part of the overall administrative record for this project and are available upon request.

Appendix B: List of Preparers and Receiving Parties

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B.1 List of Preparers

As required by Federal Aviation Administration (FAA) Order 1050.1E, the names and qualifications of the principal persons contributing information to this Environmental Assessment (EA) are identified in this section. The FAA employed the efforts of an interdisciplinary team of scientists, technicians, and experts in various fields to accomplish this study, as required by Section 1502.6 of Council on Environmental Quality (CEQ) regulations. Specialists involved in this EA included FAA and support contractor staff in such fields as air traffic control, airspace planning, noise assessment and abatement, DOT Section 4(f) resources, avian and bat species, and other disciplines. While an interdisciplinary approach has been used to develop the EA, all decisions made with regard to the content and scope of the EA are those of the FAA.

Table B-1 **FAA Reviewers**

Name	Organization	Title	Project Responsibilities
Daisy Mather	Federal Aviation Administration – Air Traffic Organization, Central Service Center, Operations Support Group	Lead Environmental Specialist	FAA Project Manager for the North Texas OAPM Environmental Process
Edward Hulsey	Federal Aviation Administration - ZFW ARTCC, NATCA	North Texas OAPM Design and Implementation Team Co-Lead	FAA Co-Lead, Responsible for coordinating all resources and delivering the product according to the timelines as promised to the DOT.
Mark Phipps	Federal Aviation Administration - AJV-1 Mission Support	North Texas OAPM Design and Implementation Team Co-Lead	FAA Project Manager, Responsible for coordinating all resources and delivering the product according to the timelines as promised to the DOT.

Table B-2 **Document Preparers**

Harris Miller Miller & Hanson Inc.

Name	Title	Education	Years of Experience	Role in Preparation of EA
Diana Wasiuk	Chief Operating Officer – Project Manager	B.A.-Aviation Business Administration M.B. Aviation Business Administration	15	Contractor Technical lead, Project Management and Oversight
Vinayak Khera	Vice President – Deputy Project Manager	B.S. Aircraft Engineering (minor in Aviation Business Administration)	15	Principal-In-Charge, Deputy Project Manager, Affected Environment, Environmental Consequences and Overall

Appendix B: List of Preparers and Receiving Parties

Name	Title	Education	Years of Experience	Role in Preparation of EA
			QA/QC	
Robert Mentzer	Principal Consultant	B.S. Meteorology	19	Noise Modeling Lead and Forecast Development
Kurt Hellauer	Principal Consultant	B.A. Government	25	Purpose & Need, Alternatives, DOT Section 4(f) Properties, Historic & Cultural Resources, Outreach
Jesse Lambert	Senior Consultant	M.A. International Commerce and Policy B.A. Political Science	5	Document Review
Laura Taylor	Administrative Assistant	High School Diploma	34	Administrative File and Record, Project Administrative Support, Project Research, and Document Development
Christopher Waite	Consultant	B.A. Physics	2.5	Noise Impact Analysis
Michael Hamilton	Senior Geographic Information Specialist	B.S. Geographic Information Systems & Cartography A.S. Survey and Highway Engineering Technology	28	Geographic Information Spatial Analysis and Graphics
Rhea Gundry	Consultant	B.S. Physics	4	Noise Impact Analysis
Philip DeVita	Director, Air Quality	M.S. Environmental Studies B.S. Meteorology	20	Air Quality, Natural Resources and climate change analysis
Stephen Barrett	Director of Clean Energy	M.A. Environmental Science and Policy B.A. International Relations	15	Wildlife-related analysis

B.1 Receiving Parties & Draft EA Notification of Availability

The DRAFT EA is being made available for review at local libraries and on the FAA OAPM project website to the public for 30 calendar days. Concurrent with its release, notification of the document's availability was provided through two local newspapers: The Dallas Morning News and the Fort Worth Star-Telegram on September 30, 2013, as documented in Appendix A.

The notification of the availability of the DRAFT EA was sent to federal, state and local agencies that have jurisdictional responsibility or an interest in the study. Tables B-3 through B-8 list agencies, elected officials, tribal agencies, study airport managers, North Texas Council of Governments and Dallas City representatives, and Study Area newspapers, respectively, that were notified of the public review period.

Table B-3 Federal, State, Local and Tribal Agencies

LASTNAME	FIRSTNAME	TITLE	AGENCY	DEPARTMENT	ADDRESS1	ADDRESS2	ADDRESS3
Anoatubby	Bill	Governor	Chicasaw Nation		P.O. Box 1548		Ada, OK 74821
Brooks	Bob	State Archaeologist	Oklahoma Archaeological Survey		111 E. Chesapeake		Norman, OK 73019-5111
Castlemain	Brent	Regional Representative	US Army	FAA Southwest Region	2601 Meacham Blvd.	Room 161	Fort Worth, TX 76137
Cloud	Tom	Field Supervisor	U.S. Fish & Wildlife Service	Ecological Division	2005 Northeast Green Oaks Blvd.	Suite 140	Arlington, Texas 76006
Dan	Deerinwater	Regional Director	Southern Plains Regional Office	Bureau of Indian Affairs	P.O. Box 368		Anadarko, OK 73005
Esslinger	Greg	Migratory Bird Management Operations Specialist	U.S. Fish & Wildlife Service		500 Gold Avenue SW	8th Floor	Albuquerque, NM 87102
Flanders	Jamie	Regional Representative	US Air Force - FAA Southwest Region	FAA Southwest Region	2601 Meacham Blvd.	Room 161	Fort Worth, TX 76137
Fulton	David	Aviation Director	Texas Department of Transportation		125 East 11th St		Austin, TX 78701
Gamache	Tim	Dept. of the Navy Representative	Federal Aviation Administration		2601 Meacham Blvd.	ASW-930	Fort Worth, TX 76137-0930
Hatcher	Richard	Director	Oklahoma Department of Wildlife Conservation		P.O. Box 53465		Oklahoma City, OK 73152
Heisch	Malvena	Deputy State Historic Preservation Officer	Oklahoma State Historic Preservation Office		800 Nazih Zuhdi Drive		Oklahoma City, OK 73105
Henry	Winona	Regional Director	Texas Commission on Environmental Quality	Region 3	1977 Industrial Blvd.		Abilene, TX 79602-7833
Hunter	Andrea	Tribal Historic Preservation Officer	Osage Nation		P.O. Box 779		Pawhuska, OK 74056
Impson	Robert	Regional Director	Eastern Oklahoma Regional Office	Bureau of Indian Affairs	3100 W. Peak Blvd.		Muskogee, OK 74401
Jackson	Lynne	Forest Planner/NEPA Coord.	U.S. Department of Agriculture Forest Service	National Forest & Grasslands in Texas	2221 N. Raguet St.		Lufkin, TX 75904
Jansky	Michael	NEPA Specialist, Office of Planning and Coordination, Region 6	Environmental Protection Agency	Compliance Assurance and Enforcement Division	1445 Ross Ave.	Ste. 1200	Dallas, Texas 75202

Appendix B: List of Preparers and Receiving Parties

LASTNAME	FIRSTNAME	TITLE	AGENCY	DEPARTMENT	ADDRESS1	ADDRESS2	ADDRESS3
Karabanoff	Thomas	Resident Agent In Charge	U.S. Fish & Wildlife Service	Fort Worth	501 Felix St.	Ste. 1105	Fort Worth, TX 76115
Kennedy	Kelly	Advisor to TCEQ	Governor's Budget and Planning Office		1100 San Jacinto		Austin, TX 78701
Kula	BG. Thomas	Commander & Division Engineer, SW Division	U.S Army Corp of Engineers	Southwest Division	1100 Commerce St.	Ste. 831	Dallas, TX 75242-1317
MacFarlane	John	Office of Planning and Coordination, Region 6	Environmental Protection Agency	Compliance Assurance and Enforcement Division	1445 Ross Ave.	Ste. 1200	Dallas, Texas 75202
McCraw	Steve	Director	Texas Department of Public Safety		P.O. Box 4087		Austin TX, 78773-0001
Mueller	John	Acting State Conservationist	Oklahoma Natural Resources Conservation Service		100 USDA	Suite 206	Stillwater, OK 74074-2651
Nash	Roy A.	Commander, 8th District	US Coast Guard	FAA Southwest Region	Hale Boggs Federal Bldg.	500 Poydras St.	New Orleans, LA 70130
Rhodes	Rick	Administrator	Texas Department of Rural Affairs		1700 North Congress Street	11th Floor	Austin, TX 78701
Smith	Rhonda M.	Chief, Office of Planning and Coordination, Region 6	Environmental Protection Agency	Compliance Assurance and Enforcement Division	1445 Ross Ave.	Ste. 1200	Dallas, Texas 75202
Taylor, PhD.	Willie R.	Director	U.S. Department of the Interior	Office of Environmental Policy & Compliance	1849 C St., NW	MS-2340	Washington, DC 20240
Terrill	Eddie	Division Director - Air Quality Div.	Oklahoma Department of Environmental Quality		P.O. Box 1677		Oklahoma City, OK 73101-1677
Thayer	Dan	Chief	U.S. Department of the Interior Bureau of Indian Affairs	Environmental Services Staff Office of Trust Responsibilities	Interior Building, Room 4560	18th and C Street NW	Washington, DC 20245
Theresa	Ely	Soundscape and Night Sky Coordinator	National Park Service	Intermountain Region	12795 W. Alameda Parkway		Lakewood, CO 80228
Tuggle	Benjamin	Regional Director	U.S. Fish & Wildlife Service	Southwest Region	500 Gold Ave. SW		Albuquerque, NM 87102
Tupper	Mike	Deputy State Director Lands and Resources	U.S. Department of the Interior Bureau of Land Management		301 Dinosaur Trail		Santa Fe, NM 87508

LASTNAME	FIRSTNAME	TITLE	AGENCY	DEPARTMENT	ADDRESS1	ADDRESS2	ADDRESS3
Van Soest	David	Regional Director	Texas Commission on Environmental Quality	Region 9	6801 Sanger Avenue	Ste. 2500	Waco, TX 76710-7826
Walker	Tony	Regional Director	Texas Commission on Environmental Quality	Region 4	2309 Gravel Dr.		Fort Worth, TX 76118-6951
Wessels	John	Intermountain Regional Director	National Park Service U.S. Department of the Interior	Big Thicket National Preserve	12795 Alameda Pkwy		Denver, CO 80225
Wolfe	Mark	Executive Director	Texas Historical Commission	State Historic Preservation Office	1511 N. Colorado St.	Box 12276	Austin, TX 78711-2276
Wolfe	Clayton	Director of Wildlife	Texas Parks & Wildlife Department		4200 Smith School Road		Austin, TX 78744-3292

Table B-4 Generalized Study Area Elected Officials

SAL	LASTNAME	FIRSTNAME	GOVERNING BODY	ADDRESS	ADDRESS2
Hon.	Alonzo	Roberto	Texas House of Representatives	312 W. 12 Street, Ste. A	Dallas, TX 75208
Hon.	Anchia	Rafael	Texas House of Representatives	1111 West Mockingbird Lane, Ste. 1330	Dallas, TX 75247
Hon.	Barton	Joe	United States House of Representatives	6001 West Ronald Reagan, Ste. 200	Arlington, TX 7601
Hon.	Birdwell	Brian	Texas State Senate	1100 Congress Ave., Rm. E1.708	Austin, TX 78701
Hon.	Branch	Dan	Texas House of Representatives	3953 Maple Avenue, Ste. 100	Dallas, TX 75219
Hon.	Burgess	Michael	United States House of Representatives	1100 Circle Drive, Ste. 200	Fort Worth, TX 76119
Hon.	Burkett	Cindy	Texas House of Representatives	18601 LBJ Freeway, Ste. 401	Mesquite, TX 75150
Hon.	Burnam	Lon	Texas House of Representatives	1067 West Magnolia	Fort Worth, TX 76104
Hon.	Burnice-Johnson	Eddie	United States House of Representatives	3102 Maple Ave, Ste. 600	Dallas, TX 75201
Hon.	Capriglione	Giovanni	Texas House of Representatives	P.O. Box 2910, Rm. E1.412	Austin, TX 78768-2910
Hon.	Carona	John	Texas State Senate	8080 N. Central Expwy, Ste. 1440 LB 44	Dallas, TX 75206

Appendix B: List of Preparers and Receiving Parties

SAL	LASTNAME	FIRSTNAME	GOVERNING BODY	ADDRESS	ADDRESS2
Hon.	Carter	Stafani	Texas House of Representatives	P.O. Box 2910, Rm. E2.702	Austin, Texas 78768-2910
Hon.	Chen Button	Angie	Texas House of Representatives	1200 E. Executive Dr., Ste. 130	Richardson, TX 75081
Hon.	Collier	Nicole	Texas House of Representatives	P.O. Box 2910, Rm. E1.324	Austin, TX 78768-2910
Hon.	Cornyn	John	United States Senate	5300 Memorial Dr., Ste. 980	Houston, TX 77007
Hon.	Crownover	Myra	Texas House of Representatives	P.O. Box 535	Lake Dallas, TX 75065
Hon.	Cruz	Ted	United States Senate	10440 N. Central Expwy, Ste. 1160	Dallas, TX 75231
Hon.	Davis	Yvonne	Texas House of Representatives	5787 S. Hampton Rd., Ste. 447	Dallas, TX 75232
Hon.	Davis	Wendy	Texas State Senate	2421 W. 7th, Ste. 131, Bldg. A	Fort Worth, TX 76107
Hon.	Deulle	Robert	Texas State Senate	18601 LBJ Freeway, Ste. 400	Mesquite, TX 75150
Hon.	Driver	Joe	Texas House of Representatives	201 South Glenbrook Dr.	Garland, TX 75040
Hon.	Estes	Craig	Texas State Senate	P.O. Box 12068, Rm. E1.9	Austin, TX 78711
Hon.	Fallon	Pat	Texas House of Representatives	P.O. Box 2910, Rm. E1.312	Austin, Texas 78768-2910
Hon.	Flores	Bill	United States House of Representatives	400 Austin Ave.	Waco, TX 76710
Hon.	Flynn	Dan	Texas House of Representatives	P.O. Box 999	Canton, TX 75103
Hon.	Giddings	Helen	Texas House of Representatives	1510 North Hampton Road, #340	DeSoto, TX 75115
Hon.	Gooden	Lance	Texas House of Representatives	P.O. Box 2910, Rm. E1.324	Austin, Texas 78768-2910
Hon.	Granger	Kay	United States House of Representatives	1701 River Run Rd., Ste. 407	Fort Worth, TX 76107
Hon.	Green	Charlie	Texas House of Representatives	1011 Roberts Cutoff	River Oaks, TX 76114
Hon.	Hall	Ralph	United States House of Representatives	104 N. San Jacinto St.	Rockwall, TX 75087
Hon.	Hancock	Kelly	Texas House of Representatives	P.O. Box 185096	Fort Worth, TX 76181

Appendix B: List of Preparers and Receiving Parties

SAL	LASTNAME	FIRSTNAME	GOVERNING BODY	ADDRESS	ADDRESS2
Hon.	Hardcastle	Rick	Texas House of Representatives	1930 Fannin Street	Vernon, TX 76384
Hon.	Harper-Brown	Linda	Texas House of Representatives	100 Decker Court, Ste. 100	Irving, TX 75062
Hon.	Harris	Chris	Texas State Senate	2001 E. Lamar Blvd., Ste. 150	Arlington, TX 76006
Hon.	Hensarling	Jeb	United States House of Representatives	6510 Abrams Road, Ste. 243	Dallas, TX 75231
Hon.	Jackson	Jim	Texas House of Representatives	1120 Metrocrest Drive, #107	Carrollton, TX 75006
Hon.	Johnson	Sam	United States House of Representatives	2929 N. Central Expy, Ste. 240	Richardson, TX 75080
Hon.	Johnson	Eric	Texas House of Representatives	1409 S. Lamar Street, Ste. 9	Dallas, Texas 75215
Hon.	Keffer	James	Texas House of Representatives	P.O. Box 857	Eastland, TX 76448
Hon.	King	Phil	Texas House of Representatives	2110 Fort Worth Hwy.	Weatherford, TX 76086
Hon.	Krause	Matt	Texas House of Representatives	P.O. Box 2910, Rm. E1.424	Austin, Texas 78768-2910
Hon.	Laubenburg	Jodie	Texas House of Representatives	206 N. Murphy Road	Murphy, TX 75094
Hon.	Madden	Jerry	Texas House of Representatives	P. O. Box 940844	Plano, TX 75074
Hon.	Mallory Caraway	Barbara	Texas House of Representatives	2908 East 11th Street, Ste. B	Dallas, TX 75203
Hon.	Marchant	Kenny	United States House of Representatives	9901 East Valley Ranch Pkwy, Ste. 3035	Irving, TX 75063
Hon.	Nelson	Jane	Texas State Senate	1235 S. Main St, Ste. 280	Grapevine, TX 76051
Hon.	Orr	Rob	Texas House of Representatives	201 West Ellison, Ste. 201	Burleson, TX 76028
Hon.	Parker	Tan	Texas House of Representatives	800 Parker Sq., Ste. 245	Flower Mound, TX 75028
Hon.	Patrick	Diane	Texas House of Representatives	318 West Main Street, Ste. 102	Arlington, TX 76013
Hon.	Paxton	Ken	Texas House of Representatives	201 West Virginia Parkway	McKinney, TX 75069
Hon.	Paxton	Ken	Texas State Senate	P.O. Box 12068, Rm. E1.810	Austin, TX 78768-2910

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SAL	LASTNAME	FIRSTNAME	GOVERNING BODY	ADDRESS	ADDRESS2
Hon.	Phillips	Larry	Texas House of Representatives	421 North Crockett	Sherman, TX 75090
Hon.	Pitts	Jim	Texas House of Representatives	310 W. Jefferson, Ste. 1	Waxahachie, TX 75165
Hon.	Sessions	Pete	United States House of Representatives	12750 Merit Drive, Ste. 1434	Dallas, TX 75251
Hon.	Sheets	Kenneth	Texas House of Representatives	P.O. Box 2910, Rm E1.412	Austin, Texas 78768-2910
Hon.	Shelton	Mark	Texas House of Representatives	1050 Forest Park Blvd., Ste. 200	Fort Worth, TX 76110
Hon.	Simmons	Ron	Texas House of Representatives	1029 Rosemeade Pkwy., Ste. 108	Carrollton, TX 75007
Hon.	Smith	Todd	Texas House of Representatives	1608 Airport Freeway, Ste. 100	Bedford, TX 76022
Hon.	Taylor	Van	Texas House of Representatives	2121 W. Spring Creek Pkwy, Ste. 115	Plano, TX 75023
Hon.	Thornberry	Mac	United States House of Representatives	4245 Kemp, Suite 506	Wichita Falls, TX 76308
Hon.	Van de Putte	Leticia	Texas State Senate	700 N. Saint Mary's St., Ste. 1725	San Antonio, TX 78205
Hon.	Veasy	Marc	United States House of Representatives	1881 Sylvan Ave., Ste. 108	Dallas, TX 75208
Hon.	Villalba	Jason	Texas House of Representatives	P.O. Box 2910, Rm. E1.702	Austin, TX 78768-2910
Hon.	Zedler	Bill	Texas House of Representatives	P.O. Box 2910, Rm E1.302	Austin, Texas 78768-2910

Table B-5 Local Agency Representatives

SAL	LASTNAME	FIRSTNAME	TITLE	AGENCY	ADDRESS1	ADDRESS2	ADDRESS3
Ms.	Biggar	Tammy	County Clerk	Fannin County	101 E. Sam Rayburn Dr.	Suite 102	Bonham, TX 75418
Mr.	Bilyeu	Bill	County Administrator	Collin County	2300 Bloomdale Rd.	Ste. 4192	McKinney, TX 75071
Mr.	Boatright	Brad	Mgr. Town Services	City of Highland Park	4300 MacArthur Dr.	Ste. 170	Highland Park, TX 75209
Ms.	Burnett	Mary	County Clerk	Hood County	1200 W. Pearl Street		Granbury, TX 76048

Appendix B: List of Preparers and Receiving Parties

SAL	LASTNAME	FIRSTNAME	TITLE	AGENCY	ADDRESS1	ADDRESS2	ADDRESS3
Hon.	Bush	Carol	County Judge	Ellis County	101 W. Main Street		Waxahachie, TX 75165
Hon.	Bush	Wilma	County Clerk	Grayson County	100 W. Houston		Sherman, TX 75090
Hon.	Commissioners		Board of Bryan County Commissioners	Bryan County	323 W. Beech St.		Durant, OK 74701
Hon.	Davenport, Jr.	H.M.	County Judge	Navarro County	300 W. Third Ave.	Ste. 102	Corsicana, TX 75110
Hon.	Ford	Mike	County Judge	Somervell County	P.O. Box 851		Glen Rose, TX 76043
Ms.	Gerber	Pam	Commission Secretary	Marshall County	100 Plaza	Room 106	Madill, OK 73446
Hon.	Harmon	Roger	County Judge	Johnson County	2 N. Main Street		Cleburne, TX 76033
Hon.	Hogan	Jerry	County Judge	Rockwall County	101 E. Rusk St.		Rockwall, TX 75087
Mr.	Howell, III	Bennett	Dir. Public Works	Denton County	1450 E. McKinney St.	Ste. 175	Denton, TX 76209
Ms.	Jones	Gwinda	County Clerk	Erath County	100 W. Washington		Stephenville, TX 76401
Hon.	Koches	Rita	County Judge	Van Zandt County	121 E. Dallas St.	Ste. 206	Canton, TX 75103
Hon.	Lemon	Sherry	County Clerk	Wise County	200 N. Trinity		Decatur, TX 75234
Ms.	Lindenzweig	Jennifer	County Clerk	Hunt County	2507 Lee Street	2nd Floor	Greenville, TX 75401
Mr.	Lindley	Bill	Town Manager	City of Highland Park	4300 MacArthur Dr.	Ste. 170	Highland Park, TX 75209
Mr.	Maenius	G.K.	County Administrator	Tarrant County	100 E. Weatherford St.		Fort Worth, TX 76196
Mr.	Martin	Darryl	County Administrator	Dallas County	411 Elm Street		Dallas, TX 75202
Ms.	Moffeit	Gwen	County Clerk	Henderson County	125 N. Prairieville St.	Room 101	Athens, TX 75751
Hon.	Nicklas	David	County Judge	Palo Pinto County	520 Oak Street		Palo Pinto, TX 76484
Hon.	Riley	Mark	County Judge	Parker County	One Courthouse Square		Weatherford, TX 76086
Hon.	Roane	John	County Judge	Cooke County Commission	101 S. Dixon		Gainesville, TX 76240

Appendix B: List of Preparers and Receiving Parties

SAL	LASTNAME	FIRSTNAME	TITLE	AGENCY	ADDRESS1	ADDRESS2	ADDRESS3
Ms.	Robinson	Janice	County Clerk	Jack County	100 N. Main Street	Ste. 208	Jacksboro, TX 76458
Hon.	Sappington	Tommie	County Judge	Montague County	101 E. Franklin		Montague, TX 76251
Ms.	Sheffer	Karen	Commission Secretary	Love County	405 W. Main	Ste. 101	Marietta, OK 73448
Ms.	Tanner	Nicole	County Clerk	Hill County	80 N. Waco Street	1st Floor	Hillsboro, TX 76645
Hon.	Ward	Cole	County Judge	Bosque County	110 S. Main	Room 110	Meridian, TX 76665
Hon.	Wolfe	Wayne	County Judge	Rains County	167 E. Quitman St.		Emory, TX 75440
Hon.	Wood	Bruce	County Judge	Kaufman County	100 W. Mulberry Street		Kaufman, TX 75142

Table B-6 North Central Texas Council of Governments (NCTCOG) and Dallas City Representatives

LASTNAME	FIRSTNAME	TITLE	AGENCY	DEPARTMENT	ADDRESS1	ADDRESS2
Adel	John	Member - NCTCOG	City of Greenville	Asst. City Manager	P.O. Box 1049	Greenville, TX 75403-1049
Ash	Christopher	Member - NCTCOG	Alliance Air Services	Mgr. Airport / FBO Ops.	2221 Alliance Blvd., Ste. 100	Fort Worth, TX 76177
Bateman	Bobby	Member - NCTCOG	Mineral Wells Airport	Airport Supervisor	P.O. Box 460	Mineral Wells, TX 76068
Brewer	William	Environmental Manager	City of Dallas	Aviation Department	8008 Cedar Springs, LB 16	Dallas, TX 75235
Caldwell	Raymond	Member - NCTCOG	City of Ennis		1905 W. Ennis Ave.	Ennis, TX 75119
Craig	Keith	Member - NCTCOG	Service Specialties Associates, Inc.	Owner/President	P.O. Box 1117	Addison, TX 75001
Delgado	Ruben	Member - NCTCOG	Collin County	Dir. of Engineering	825 N. McDonald, Ste. 160	McKinney, TX 75069
Demoney	Judy	Member - NCTCOG	Mid-Way Regional Airport	Airport Manager	131 Airport Dr.	Midlothian, TX 76065
Deubner	Mark	Director of Aviation	City of Dallas	Aviation Department	8008 Cedar Springs, LB 16	Dallas, TX 75235
Furra	Lana	Vice-Chair - NCTCOG	City of Dallas	Asst. Director of Aviation	8008 Cedar Springs, LB 16	Dallas, TX 75235
Hadley	Steve	Member - NCTCOG	National Business Aviation Association	SW Region Representative	13741 Harbor Dr.	Waco, TX 76712
Hawkins	Gary	Member - NCTCOG	Granbury Regional Airport	Airport Manager	400 Howard Clemons Rd.	Granbury, TX 76048
Hix	Quentin	Secretary - NCTCOG	Denton Municipal Airport	Airport Manager	215 E. McKinney	Denton, TX 76201
Jensen	Donald	Member - NCTCOG	Greater Irving-Las Colinas Chamber of Commerce	Transportation Committee	3717 Hidalgo St.	Irving, TX 75062
Lierman	Daryl	Member - NCTCOG	NAS Fort Worth, JRB	Air Operations Officer	1425 Carswell Ave., Bldg. 1425	NAS Ft. Worth, JRB, TX 76127
Mallonee	Michael	Principal Transportation Planner	North Central Texas Council of Governments	Aviation Division	616 Six Flags Dr., Centerpoint Two	Arlington, TX 76011
Martinez	Paul	Member - NCTCOG	Dallas Ft. Worth International Airport	V/P Operations	P.O. Box 619428	DFW Airport, TX 75261-9428
Mitchell	Terry	Assistant Director	City of Dallas	Aviation Department	8008 Cedar Springs, LB 16	Dallas, TX 75235

Appendix B: List of Preparers and Receiving Parties

LASTNAME	FIRSTNAME	TITLE	AGENCY	DEPARTMENT	ADDRESS1	ADDRESS2
Nicely	Michael	Member - NCTCOG	Federal Aviation Administration	Texas Airport Development Office	2601 Meacham Blvd.	Fort Worth, TX 76137-4298
Platt	Yasmina	Member - NCTCOG	Aircraft Owners and Pilots Association	Central SW Regional Manager	421 Aviation Way	Frederick, MD 21701
Pyatt	Kenneth	Member - NCTCOG	SKY Helicopters, Inc.	President	2559 Juipter road	Garland, TX 75041
Shahan	Mike	Member - NCTCOG	N. Texas Regional Airport / Perrin Field	Airport Manager	4700 Airport Dr.	Denison, TX 75020
Waddle	Bobby	Executive Board Representative	North Central Texas Council of Governments		1015 S. Cockrell Hill Rd.	DeSoto, TX 75115
Wiegand	Kenneth	Member - NCTCOG	Collin Co. Regional Airport	Airport Director	1500 East Industrial Blvd., Ste. 118	McKinney, TX 75069

Table B-7 Study Airport Managers

LASTNAME	FIRSTNAME	TITLE	AIRPORT	ADDRESS1	ADDRESS2	ADDRESS3
Bourland	Richard	Owner	Bourland Field Airport	17911 Hwy 377 South		Cresson, TX 76035
Bridges	Paul	Manager	Kenneth Copeland Airport	14355 Morris Dido Rd.		Newark, TX 76071
Bruce	Hollander	Asst. Manager	Arlington Municipal Airport	5000 S. Collins St.	Ste. 100	Arlington, TX 76004
Byers	Randy	Manager	Grand Prairie Municipal Airport	3116 S. Gt Southwest Pkwy		Grand Prairie, TX 75052
Deubner	Mark	Manager	Dallas Love Field Airport	8008 Cedar Spring	LB 16	Dallas, TX 75235
DiVita	Mark	Manager	Lancaster Regional Airport	730 Ferris Rd.	Ste. 102	Lancaster, TX 75146
Dmoney	Judy	Manager	Mid-Way Regional Airport	131 Airport Rd.	Ste. 101	Midlothian, TX 76065
Fegan	Jeffrey	CEO	Dallas Ft. Worth International Airport	P.O. Box 619428		DFW Airport, TX 75261
Furra	Lana	Manager	Dallas Executive Airport	5303 Challenger Dr.	LB 17	Dallas, TX 75237
Godfrey	Cynthia	Manager	Mesquite Metro Airport	1340 Airport Blvd.		Mesquite, TX 75181

Appendix B: List of Preparers and Receiving Parties

LASTNAME	FIRSTNAME	TITLE	AIRPORT	ADDRESS1	ADDRESS2	ADDRESS3
Hickman	Will	Airport Ops Officer	Fort Worth Spinks Airport	13451 Wing Way	Ste. 109	Burleson, TX 76028
Hix	Quentin	Manager	Denton Municipal Airport	5000 Airport Rd.		Denton, TX 76205
Holden	Harvey	Noise Compatibility Planner	Dallas Ft. Worth International Airport	P.O. Box 619428		DFW Airport, TX 75261
Howerton	Steve	City Manager	Ennis Municipal Airport	115 W. Brown St.		Ennis, TX 75119
Jenkinson	Joel	Manager	Addison Airport	16051 Addison Rd.	Ste. 220	Addison, TX 75001
Lancaster	Sandy	Manager, Noise Compatibility	Dallas Ft. Worth International Airport	P.O. Box 619428		DFW Airport, TX 75261
Porter	Crawford	Owner	Parker County Airport	331 Addison Dr.		Hudson Oaks, TX 76087
Randy	Varner	Environmental Department	NAS Ft. Worth JRB	1215 Military Pkwy		NAS Ft. Worth JRB, TX 76127
Sayers	Michael	Manager	Decatur Municipal Airport	351 Airport Rd.		Decatur, TX 76234
VanWinkle	Karen	Manager	Arlington Municipal Airport	5000 S. Collins St.	Ste. 100	Arlington, TX 76004
Walkowicz	Eddie	Manager	Rockwall Aviation, Inc. (Rockwall Muni Airport)	1701 Airport Road		Rockwall, TX 75087
Ward	Tim	Manager	Ft. Worth Alliance Airport	2221 Alliance Blvd.	Ste. 100	Ft. Worth, TX 76102
Welstead	William	Manager	Ft. Worth Meacham International Airport	4201 N. Main St.	Ste. 200	Ft. Worth, TX 76106
Wiegand	Kenneth	Manager	Collin County Regional Airport at McKinney	P.O. Box 517		McKinney, TX 75070
Wilson	Sharlette	City Manager	Cleburne Regional Airport	1650 Airport Dr.		Cleburne, TX 76033

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C.1 Contact Information

To receive a copy of technical reports described in this report, please submit a request to:

Daisy Mather - Environmental Specialist
FAA Central Service Center
Operations Support Group, AJV-C22
2601 Meacham Boulevard
Fort Worth, TX 76137
[email: 9-ASW-NorthTXOAPMcomment@faa.gov](mailto:9-ASW-NorthTXOAPMcomment@faa.gov)
or visit <http://www.oapmenvironmental.com>

C.2 References

1. Airport Noise Compatibility Planning, 14 C.F.R. Part 150. (1984)
2. Clean Air Act Amendments of 1990, 91 Stat. 685, P.L. 95-95. (1990)
3. Clean Air Act, 42 U.S.C. § 7401 et seq. (1970)
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Appendix D: List of Acronyms and Glossary

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D.1 List of Acronyms

4T2	Kenneth Copeland Airport
50F	Bourland Field Airport
AAD	Average Annual Day
AAR	Airport Arrival Rate
ACCRI	Aviation Climate Change Research Group
ACHP	Advisory Council on Historic Preservation
ACM	Adjacent Center Metering
ACS	American Community Survey
ADS	Addison Airport
ADS-B	Automatic Dependent Surveillance-Broadcast
AFE	Above Field Elevation
AFW	Fort Worth Alliance Airport
AGL	Above Ground Level
APE	Area of Potential Effect
AR	Authorization Required
ARR	Arrive
ARTCC	Air Route Traffic Control Center
ASPM	Airport Specific Performance Metrics
ATALAB	Air Traffic Airspace Lab
ATC	Air Traffic Control
ATCT	Air Traffic Control Tower
ATM	Air Traffic Management
BADA	Base of Aircraft Data
BIA	Bureau of Indian Affairs
BLM	Bureau of Land Management
CAA	Clean Air Act of 1970
CAASD	Center for Advanced Aviation System Development
CAEP	Committee on Aviation and Environmental Protection
CATEX	Categorical Exclusion
CEQ	Council on Environmental Quality
CFR	Code of Federal Regulations
CH ₄	Methane
CNS	Communications, Navigational, and Surveillance
CPT	Cleburne Regional Airport
CO	Carbon Monoxide
CO ²	Carbon Dioxide

CTC	Cost To Carry
CY	Calendar Year
D&I	Design and Implementation
DAL	Dallas Love Field Airport
dB	Decibel
DEP	Depart
DFW	Dallas/Fort Worth International Airport
DNL	Day Night Average Sound Level
DoD	Department of Defense
DOT	Department of Transportation
DP	Instrument Departure Procedure
DTO	Denton Municipal Airport
EA	Environmental Assessment
EIS	Environmental Impact Statement
EJ	Environmental Justice
EO	Executive Order
EPA	Environmental Protection Agency
ESA	Endangered Species Act of 1973
ESRI	Environmental Systems Research Institute
ETMS	Enhanced Traffic Management System
EUROCONTROL	European Organization for the Safety of Air Navigation
F41	Ennis Municipal Airport
F46	Rockwall Municipal Airport
FAA	Federal Aviation Administration
FAF	Final Fix Approach
FHWA	Federal Highway Administration
FICAN	Federal Interagency Committee on Aviation Noise
FICON	Federal Interagency Committee on Noise
FTA	Federal Transit Administration or Federal Transit Act
FTW	Fort Worth Meacham International Airport
FWS	Fort Worth Spinks Airport
GA	General Aviation
GAO	General Accounting Office
GHG	Greenhouse Gases
GKY	Arlington Municipal Airport
GPM	Grand Prairie Municipal Airport

GPS	Global Positioning System
HFC	Hydrofluorocarbon
HQZ	Mesquite Metro Airport
ICAO	International Civil Aviation Organization
IFP	Instrument Flight Procedures
IFR	Instrumental Flight Rule
IMC	Instrument Meteorological Conditions
iTRAEC	Integrated Terminal Research, Analysis, and Evaluation Capabilities
JWY	Mid-Way Regional Airport
L_{eq}	Equivalent Sound Level
LNC	Lancaster Regional Airport
LOA	Letter of Agreement
L/R	Left/Right
LUD	Decatur Municipal Airport
LWCF	Land and Water Conservation Fund
MBTA	Migratory bird Treaty Act of 1918
MOU	Memorandum of Understanding
MSL	Mean Sea Level
MT CO ₂ e	Metric tons of Carbon Dioxide Equivalent
N ₂ O	Nitrous Oxide
NAAQS	National Ambient Air Quality Standards
NAS	National Airspace System
NAT	National Analysis Team
NATCA	National Air Traffic Control Administration
NAVAIDS	Ground Based Navigation Aids
NEPA	National Environmental Policy Act of 1969
NextGen	Next Generation Air Transportation System
NFGT	National Forests and Grasslands in Texas
NFW	Fort Worth NAS JRB / Carswell Field Airport
NHPA	National Historic Preservation Act of 1966
NIRS	Noise Integrated Routing Systems
NLR	Noise Level Reduction
NM	Nautical Mile
NMFS	National Marine Fisheries Service
NO ₂	Nitrogen Dioxide

NOP	National Offload Program
NPS	National Park Service
NRHP	National Register of Historic Places
NTML	National Traffic Management Log
NTX	North Texas
O ₃	Ozone
OAPM	Optimization of the Airspace and Procedures in the Metroplex
ODP	Obstacle Departure Procedure
OPD	Optimized Profile Descent
OST	North Texas OAPM Study Team
PARTNER	Partnership for Air Transportation Noise & Emissions Reduction
Pb	Lead
PBN	Performance Based Navigation
PDARS	Performance Data Analysis and Reporting System
PM	Particulate Matter
PM ₁₀	PM with diameter less than 10 micrometers
PM _{2.5}	PM with diameter less than 2.5 micrometers
PSA	Primary Study Area
RBD	Dallas Executive Airport
rita	Research and Innovative Technology Administration
RNAV	Area Navigation
RNP	Required Navigation Performance
RTCA	Radio Technical Commission for Aeronautics
SEL	Sound Exposure Level
SF ₆	Sulfur Hexafluoride
SHPO	State Historic Preservation Office
SID	Standard Instrument Departure
SIP	State Implementation Plan
SO ₂	Sulfur Dioxide
SOP	Standard Operating Procedure
SPL	Sound Pressure Level
SRM	Safety Risk Management
SSA	Supplemental Study Area
STAR	Standard Terminal Arrival Route
SUA	Special Use Airspace
SWAP	Severe Weather Avoidance Procedures

TAF	Terminal Area Forecasts
TARGETS	Terminal Area Route Generation, Evaluation, Traffic and Simulation
TBO	Trajectory Based Operations
TCEQ	Texas Commission on Environmental Quality
THC	Texas Historical Commission
THPO	Tribal Historic Preservation Office
TIP	Transportation Improvement Project
TKI	Collin County Regional Airport at McKinney
TNRIS	Texas Natural Resource Information System
TPWD	Texas Parks and Wildlife Department
TRACON	Terminal Radar Approach Control
USC	United States Code
USFS	US Forest Service
USFWS	US Fish and Wildlife Service
USGS	US Geological Survey
VFR	Visual Flight Rules
VMC	Visual Meteorological Conditions
WEA	Parker County Airport

D.2 Glossary

A-Weighted Sound Level – A quantity, in decibels, read from a standard sound-level meter with A-weighting circuitry. The A-weighting scale discriminates against the lower frequencies below 1000 hertz according to a relationship approximating the auditory sensitivity of the human ear. The A-weighted sound level is approximately related to the relative “noisiness” or “annoyance” of many common sounds.

Acoustics – The science of sound, including the generation, transmission, and effects of sound waves, both audible and inaudible.

Air Carrier – An entity holding a Certificate of Public Convenience and Necessity issued by the Department of Transportation (DOT) to conduct scheduled air services over specified routes and a limited amount of non-scheduled operations.

Air Pollutant – Any substance in air that could, in high enough concentration, harm man, other animals, vegetation, or material. Pollutants may include almost any natural or artificial composition of airborne matter capable of being airborne. They may be in gases, particulates, or in combinations thereof. Generally, they fall into two main groups: (1) those emitted directly from identifiable sources and (2) those produced in the air by interaction

between two or more primary pollutants, or by reaction with normal atmospheric constituents, with or without photo-activation.

Air Route Traffic Control Center (ARTCC, Center) – An FAA facility established to provide air traffic control service to aircraft operating on an Instrument Flight Rules (IFR) flight plan within controlled airspace and principally during the en-route phase of flight. When equipment capabilities and controller workload permit, certain advisory/assistance services may be provided to Visual Flight Rules (VFR).

Air Taxi – An air carrier certificated in accordance with Federal Aviation Regulations (FAR) Part 135 and authorized to provide, on demand, public transportation of persons and property by aircraft. Generally operates small aircraft “for hire” for specific trips.

Air Traffic Control (ATC) – A service operated by appropriate authority to promote the safe, orderly, and expeditious flow of air traffic.

Airport Traffic Control Tower (ATCT) – A facility that uses air/ground communications, visual signaling, and other devices to provide ATC services to aircraft operating in the vicinity of an airport. Authorizes aircraft to land or take-off at the airport controlled by the tower regardless of flight plan or weather conditions.

Airspace – Navigable area used by aircraft for purposes of flight.

Airway – An area of Class E airspace established in the form of a corridor, the centerline of which is defined by radio navigational aids. The network of airways serving aircraft operations up to but not including 18,000 feet MSL are referred to as “Victor” airways. The network of airways serving aircraft operations at or above 18,000 feet MSL are referred to as “Jet” airways.

Altitude – Height above a reference point, usually expressed in feet. Reference points are typically sea level, the ground, or airfield elevation in which case MSL, AGL or AFE further describes the altitude, respectively.

Ambient Noise Level – The level of noise that is all-encompassing within a given environment for which a single source cannot be determined. It is usually a composite of sounds from many and varied sources near to and far from the receiver.

Area Navigation (RNAV) – A method of air navigation that permits aircraft to operate on any desired course within a network of station-referenced navigation aids (NAVAIDs), rather than navigating directly to and from the NAVAIDs.

Arithmetic Averaged Sound Pressure Level – The arithmetic sum of a series of sound pressure levels divided by the number of levels included in the sum.

Arrival Stream – A flow of aircraft that are following similar arrival procedures. This can conserve flight distance, reduce congestion, and allow instrument flight plans into airports with limited NAVAIDs.

Automated Radar Terminal System (ARTS) – Computer-aided radar display subsystems capable of associating alphanumeric data, such as aircraft identification, altitude, and airspeed-with aircraft radar returns.

Attainment Area – An area in which the Federal or state standards for ambient air quality are being achieved.

Based Aircraft – Active aircraft that are stationed at an airport on a permanent basis.

Block – Census blocks are small areas bounded on all sides by visible features such as streets, roads, streams, and railroad tracks, and by invisible boundaries such as city, town, township, and county limits; property lines; and short, imaginary extensions of streets and roads. Blocks are numbered uniquely within each census tract or block numbering area (BNA). A three-digit number identifies a block, sometimes with a single alphabetical suffix. The U.S. Bureau of Census designates census blocks.

Centroid – A point representing the geographic center of a US Bureau of Census' census block.

Climb – The act or instance of increasing altitude.

Conformity – A determination that a project conforms with a State Implementation Plan (SIP) whose purpose is to eliminate or reduce the severity and number of violations of the National Ambient Air Quality Standards; and does not impede the scheduled attainment of such standards.

Controlled Airspace – Airspace of defined dimensions within which air traffic control service is provided to IFR flights and to VFR flights in accordance with the airspace classification.

Criteria Pollutants – The 1970 amendments to the Clean Air Act required EPA to set National Ambient Air Quality Standards for certain pollutants known to be hazardous to human health. EPA has identified and set standards to protect human health and welfare for six pollutants: ozone, carbon monoxide, total suspended particulates, sulfur dioxide, lead, and nitrogen oxide. The term, “criteria pollutants” derives from the requirement that EPA must describe the characteristics and potential health and welfare effects of these pollutants. It is on the basis of these criteria that standards are set or revised.

Day-Night Average Sound Level (DNL) – A measure of the annual average noise environment over a 24-hour day. It is the 24-hour, logarithmic- (or energy-) average, A-weighted sound pressure level with a 10-decibel penalty applied to the nighttime event levels that occur between 10 p.m. and 7 a.m.

Decibel (dB) – Commonly used to define the level produced by a sound source. The decibel scale is logarithmic (e.g., when the scale goes up by ten, the perceived level is twice as loud)

De minimis Levels – *De minimis* is defined as lacking significance or importance, or so minor as to be disregarded. *De minimis* levels are minimum air pollutant levels and vary according to the type of pollutant and severity of the non-attainment area. Unless state minimums are lower than Federal, these levels are consistent for all conformity determinations. The calculation of total project emissions is made and compared to these de minimis cutoffs. If the emissions for a pollutant are above de minimis, the project requires a conformity determination. All emissions from the project must be analyzed and found to conform, not only those above the de minimis levels.

Departure – The act of an aircraft taking off from an airport.

Departure Procedure (DP) – A preplanned IFR ATC departure procedure printed for pilot use in graphic and/or textual form. DPs provide transition from the terminal to the appropriate en route structure.

Descent – The process of decreasing altitude.

Design Team – Air traffic controllers and airspace procedures specialists from the Houston TRACON facility and Houston ARTCC, with additional participation by Fort Worth ARTCC personnel.

Distance Measuring Equipment (DME) – Provides distance of the aircraft from a navigation aid as well as ground speed. Ground based DME is often co-located with a Very High Frequency Omni-directional Radio Range Station (VOR), known in this case as a VOR-DME.

Downwind – In the direction in which the wind blows, with the wind behind.

Emissions – Pollution discharged into the atmosphere from stationary sources such as smokestacks, surface areas of commercial or industrial facilities, residential chimneys, and from mobile sources such as motor vehicles, locomotives, or aircraft exhausts.

Energy-Averaged Sound Pressure Level – The logarithmic sum of the sound power of a series of sound pressure levels divided by the number of levels included in the sum.

Enplanement – The total number of revenue passengers boarding aircraft, including originating, stopover, and transfer passengers, in scheduled and non-scheduled services.

En Route Airspace – A general term to describe the airspace controlled by an ARTCC.

Environmental Assessment (EA) – An EA is a concise document used to describe the environmental impacts of a proposed Federal action.

Environmental Noise – Unwanted sound from various outdoor sources that produce noise (e.g., aircraft, cars, trucks, buses, railways, industrial plants, construction activities)

Equivalent Sound Level (Leq) – The level of a constant sound, which, in the given situation and time period, has the same average sound energy, as does a time-varying

sound. Specifically, equivalent sound level is the energy-averaged sound pressure level of the individual A-weighted sound pressure levels occurring during the time interval.

Federal Aviation Administration (FAA) – The Federal Aviation Administration (FAA) is the agency of the United States government with primary responsibility for civil aviation. Among its major functions are the regulation of civil aviation to promote safety, fulfill the requirements of national defense and development, and operate a common system of air traffic control and navigation for both civil and military aircraft.

Fix – A geographical position determined by reference to one or more radio NAVAIDS, celestial plotting, or by some other means such as satellite navigation.

Flight Data Information – Specific information used by ATC for an individual flight, including information such as aircraft identification, destination, type, route, and altitude.

Flight Track – The route used by an aircraft in flight.

Frequency (acoustic) – The number of oscillations per second completed by a vibrating object.

General Aviation (GA) – All civil aviation except scheduled passenger and cargo airlines.

Global Positioning System (GPS) – A satellite-based radio positioning and navigation system operated by the U.S. Department of Defense. The system provides highly accurate position and velocity information, and precise time, on a continuous global basis to an unlimited number of properly equipped users.

Hand-Off – An action taken to transfer the radar identification of an aircraft from one controller to another. When the aircraft enters the receiving controller's airspace, radio communications with the aircraft are transferred.

Heading – A compass bearing indicating the direction of travel.

Hertz (Hz) – The unit used to designate frequency; specifically, the number of cycles per second.

Household – A household includes all the persons who occupy a housing unit. The occupants may be a single family, one person living alone, two or more families living together, or any other group of related or unrelated persons who share living arrangements.

Housing Unit – A housing unit is a house, apartment, a mobile home or trailer, a group of rooms or a single room occupied as separate living quarters or, if vacant, intended for occupancy as separate living quarters.

Hydrocarbons (HC) – Chemical compounds that consist entirely of carbon and hydrogen.

Instrument Flight Rules (IFR) – Rules governing the procedures for conducting instrument flight in aircraft. Also a term used by pilots and controllers to indicate type of flight plan.

Instrument Meteorological Conditions (IMC) – Weather conditions expressed in terms of visibility, distance from clouds, and cloud ceilings during which all aircraft are required to operate using Instrument Flight Rules (IFR).

Integrated Noise Model (INM) – A computer program developed, updated and maintained by the Federal Aviation Administration to evaluate aircraft noise impacts in the vicinity of airports.

In-Trail Spacing – The distance between two aircraft on an identical route; one aircraft is following another.

Invasive Species – Invasive species are organisms (usually transported by humans) that successfully establish themselves in, and then overcome, otherwise intact, pre-existing native ecosystems.

Knots – Speed measured in nautical miles per hour.

Level-off – The process by which an aircraft that is initially changing altitude maintains a constant altitude. This can be done once the aircraft reaches its cruise altitude in the en route environment, or as a series of steps taken as the aircraft transition to/from the en route environment to guarantee adequate separation from other aircraft.

Loudness – The attribute of an auditory sensation in terms of which sounds may be ordered on a scale extending from soft to loud. Loudness depends primarily upon the sound pressure of the source, but it also depends upon the frequency and waveform of the source.

Mean Sea Level (MSL) – The height of the surface of the sea for all stages of the tide, used as a reference for elevations or altitude of aircraft flight. Also called sea level datum.

National Airspace System (NAS) – The common network of air navigation facilities, equipment and services, airports or landing areas; aeronautical charts, information and services; rules, regulations and procedures, technical information, and manpower and material.

National Ambient Air Quality Standards (NAAQS) – Standards for criteria pollutants established by United States Environmental Protection Agency that apply to outdoor air.

Natural Areas – Undeveloped areas of land such as parks, wildlife refuges/management areas, and nature preserves.

Nautical Mile (NM) – A measure of distance equal to 1 minute of arc on the earth's surface (approx. 6,076 ft.).

Navigation Aids (NAVAIDs) – Any visual or electronic device airborne or on the surface that provides point to point guidance information or position data to aircraft in-flight.

Noise – Any sound that is undesirable because it interferes with speech and hearing, or is intense enough to damage hearing, or is otherwise annoying.

Noise Abatement Procedure – Measures taken to reduce the off-airport impacts of aircraft noise. Procedures developed by airport operators in cooperation with the FAA, and local community officials, to mitigate aircraft noise near airports.

Noise Exposure – The cumulative acoustic stimulation reaching the ear of a person over a specified period of time (e.g., a work shift, a day, a working life, or a lifetime).

Noise Integrated Routing System (NIRS) – A computer program developed, updated, and maintained by the FAA to evaluate aircraft noise impact for air traffic actions involving multiple airports over broad geographic areas.

Non-Attainment Area – Areas with levels that exceed one or more of the NAAQS for the criteria pollutants designated in the Clean Air Act.

Non-Directional Beacon (NDB) – A radio beacon transmitting non-directional signals whereby the pilot of an aircraft equipped with direction finding equipment can determine his bearing to or from the radio beacon and “home” on or track to or from the station. When the radio beacon is installed in conjunction with the Instrument Land System (ILS) marker, it is normally called a Compass Locator.

Operation – Landing or take-off of an aircraft.

Over-flights – Aircraft whose flights originate or terminate outside the controlling facility's area that transit the airspace without landing.

Performance-Based Navigation (PBN) – Specifies that aircraft Required Navigation Performance (RNP) and Area Navigation (RNAV) systems performance requirements be defined in terms of accuracy, integrity, availability, continuity and functionality required for the proposed operations in the context of a particular airspace, when supported by the appropriate navigation infrastructure.

Piston Aircraft – Propeller-driven aircraft powered by an internal combustion engine.

Power Settings – Amount of engine power used by the pilot.

Quadrant – A quarter part of a circle, centered on a NAVAID oriented clockwise from magnetic north.

Radar (primary) – A device which, by measuring the time interval between transmission and reception of radio pulses, and correlating the angular orientation of the radiated antenna beam, or beams in azimuth and/or elevation, provides information on range, azimuth, and /or elevation of objects in the path of the transmitted pulses. Also known as “Primary Radar”.

Radar (secondary) – A radar system in which the object to be detected is fitted with cooperative equipment in the form of a radio receiver/transmitter (transponder). Radar pulses transmitted from the searching transmitter/receiver (interrogator) site are received in the cooperative equipment and used to trigger a distinctive transmission from the

transponder. This reply transmission, rather than a reflected signal, is then received back at the interrogator site for processing and display at an ATC facility. Also known as a “Radar Beacon”.

Radial – A magnetic bearing extending from a VOR/VORTAC/TACAN navigation facility.

Required Navigation Performance (RNP) - A type of performance-based navigation (PBN) that allows an aircraft to fly a specific path between two 3-dimensionally defined points in space. RNP differs from Area Navigation (RNAV) systems in that there is a requirement for on-board performance monitoring and alerting specification.

Satellite Navigation – See *Global Positioning System (GPS)*.

Sector – A defined volume of airspace, including both lateral and vertical limits, in which a single air traffic controller is responsible for the safe movement of air traffic. A TRACON's or ARTCC's airspace is comprised of multiple sectors.

Section 4(f) – A resource that may be protected under special provisions of the U.S. Department of Transportation Act, 49 USC 303(c).

Separation – Spacing between aircraft. This spacing may be vertical, lateral, longitudinal, or visual.

Sequencing – Procedure in which air traffic is merged into an orderly flow.

Sound Exposure Level (SEL) – A time-integrated metric (i.e., continuously summed over a time period) that quantifies the total energy in the A-weighted sound level measured during a transient noise event. The time period for this measurement is generally taken to be that between the moments when the A-weighted sound level is 10 dB below the maximum.

Sound Pressure Level – A measure, in decibels, of the magnitude of the sound; specifically, the sound pressure level of a sound that is 10 times the logarithm to the base 10 of the ratio of the squared pressure of this sound to the squared reference pressure. The reference pressure is usually taken to be 20 micropascals. See also *Energy-Averaged Sound Pressure Level*.

Source (acoustic) – The object that generates the sound.

Standard Terminal Arrival (STAR) – A preplanned instrument flight rule (IFR) air traffic control arrival procedure published for pilot use in graphic and/or textual form. STAR's provide transition from the en route structure to an outer fix or an instrument approach fix/arrival waypoint in the terminal area.

Statute Mile (SM) – A measure of distance equal to 5,280 feet.

Sulfur Dioxide (SO₂) – Sulfur dioxide typically results from combustion processes, refining of petroleum, and other industrial processes.

T-route – A route that corresponds to the RNAV IFR Terminal Transition Route (RITTR) program, and begins and ends at current fixes or NAVAIDs on Victor Airways in terminal airspace.

Tactical Air Navigation (TACAN) – An ultra-high frequency electronic air navigation aid that provides equipped aircraft a continuous indication of bearing and distance to the station.

Terminal Area – A general term used to describe airspace in which approach control services for airport traffic control service is provided.

Terminal Radar Approach Control (TRACON) – An FAA ATC facility that uses radar and two-way radio communication to provide separation of air traffic within a specified geographic area in the vicinity of one or more large airports.

Time Above (TA or TALA) – The TA noise metric provides the duration in minutes for which aircraft-related noise exceeded a specified A-weighted sound level. If not stated otherwise, TA pertains to a 24-hour day. (e.g., A TA65 [or TALA65] of 17 minutes means that 65 dB was exceeded for a total of 17 minutes of the course of a 24-hour day.)

Topography – The configuration of a surface including its relief and the position of its natural and man-made features.

Turboprop Aircraft – An aircraft whose main propulsive force is provided by a propeller driven by a gas turbine. Additional propulsive force may be provided by gas discharged from the turbine exhaust.

Vector – Heading instructions issued by ATC to provide navigational guidance by radar.

Vector Airway – An airspace area established in the form of a corridor, the centerline of which is defined by radio navigational aids.

Visual Meteorological Conditions (VMC) – Weather conditions expressed in terms of visibility, distance from cloud, and ceiling, equal to or better than specified minima.

Visual Flight Rules (VFR) – Rules that govern the procedures for conducting flight under visual conditions. The term ‘VFR’ is also used in the United States to indicate weather conditions that are equal to or greater than minimum VFR requirements. In addition, it is used by pilots and controllers to indicate type of flight plan.

Volatile Organic Compound (VOC) – Any organic compound that participates in atmospheric photochemical reactions except those designated by EPA as having negligible photochemical reactivity.

Very High Frequency Omni-directional Radio Range Station (VOR) – A ground-based electronic navigation aid transmitting very high frequency navigation signals, 360° in azimuth, oriented from magnetic North. Distance Measuring Equipment (DME) may be installed. Used as a basis for navigation in the National Airspace System.

Very High Frequency Omni-directional Range with Tactical Air Navigation (VORTAC)

– A navigation aid providing VOR azimuth, TACAN azimuth, and TACAN distance measuring equipment (DME) at one site. The most common form of radio navigation currently in use.

Wake Turbulence – Phenomena resulting from the passage of an aircraft through the atmosphere. The term includes vortices, thrust stream turbulence, jet blast, jet wash, propeller wash, and rotor wash both on the ground and in the air.

Weighting – An additive (or subtractive) factor by which the sound pressure level at certain frequencies in an acoustic measurement is increased (or reduced) in order for that measurement to be more representative of certain simulated conditions

APPENDIX E BASICS OF NOISE

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E.1 Introduction

This appendix introduces the acoustic metrics that are the relevant elements comprising the Day-Night Average Sound Level (DNL) noise metric, which collectively provide a basis for evaluating and understanding a broad range of noise settings.

Analysis of potential effects to the noise setting from aviation activities is conducted as directed in FAA Order 1050.1E, Appendix A, Section 14. Specifically, the FAA uses DNL to measure cumulative noise exposure from aviation activities that occur over the course of an Average Annual Day (AAD), during a given year of interest. The DNL metric is built upon other fundamental concepts and metrics, which all help to analyze airport and airspace noise environments. The following sections provide essential reference material related to these technical concepts and metrics, including an introduction to fundamental acoustics and noise terminology (Section E.1.1), the effects of noise on human activity (Section E.1.2), community annoyance (Section E.1.3), and a discussion of currently accepted noise/land use compatibility guidelines (Section E.1.4).

E.2 Introduction to Acoustics and Noise Terminology

Noise is a complex physical quantity. Comprehension of noise exposure and the DNL metric used in environmental studies requires comprehension of the basic elements that are used to quantitatively analyze sound or noise. This chapter introduces the following acoustic metrics, all related to DNL:

- Decibel (dB)
- A-Weighted Decibel
- Maximum Sound Level (L_{max})
- Sound Exposure Level (SEL)
- Equivalent Sound Level (L_{eq})
- Day-Night Average Sound Level (DNL)

E.3 The Decibel (dB)

All sounds come from a sound source (e.g., a musical instrument, a voice speaking, or an airplane that passes overhead). It takes energy to produce sound. The sound energy produced by any sound source is transmitted through the air in sound waves – tiny, quick oscillations of pressure just above and just below atmospheric pressure. These oscillations, or sound pressures, impinge on the ear, creating the sound we hear.

Our ears are sensitive to a wide range of sound pressures but our ears are incapable of detecting small differences among these pressures. Therefore, the concept of sound pressure level (SPL) is employed to better match how humans hear this sound energy, compressing the total range of sound pressures to a more meaningful range. SPL is a measurement of the sound pressure from a given noise source, compared to a standard reference value (typically the quietest sound that a young person with good hearing can detect).

SPL is measured and expressed in terms of *decibels* (dB). SPL is a logarithm of the squared ratio of two pressures, the numerator being the pressure of the sound source of interest, and the denominator being the *reference pressure* (i.e., the quietest sound we can hear). After logarithmic conversion of sound pressure to SPL, the quietest sounds we can hear (i.e., reference pressure) have SPLs of approximately zero (0) decibels, while the loudest sounds we hear without pain have SPLs of about 120 dB. Most sounds in our daily environment have SPLs from 30 to 100 dB.

Decibels are logarithmic quantities and do not compound like common numerical values. For example, if two sound sources each produce 100 dB and are operating concurrently, they would produce only 103 dB, not 200 dB as we might expect. Four equal sources at 100 dB operating simultaneously would result in a total sound pressure level of 106 dB. In fact, as the number of equal sources doubles, SPL rises only three (3) decibels.

If one source is much louder than another is, the two sources together will produce the same SPL (and sound to our ears) as if the louder source were operating alone. For example, a 100 dB source plus an 80 dB source produces 100 dB when operating together. The louder source “masks” the quieter one, but if the quieter source gets louder, it will have an increasing effect on the total SPL.

People hear SPL changes according to the following rules of thumb: 1) generally, a change of 1 dB or less in a given SPL is not readily perceptible, except in a laboratory setting; 2) a 5-dB change in a sound level is considered to be generally noticeable in a community setting; and 3) it takes approximately a 10-dB increase or decrease to be heard as a doubling or halving of a sound’s loudness, respectively.

E.4 A-Weighted Decibel

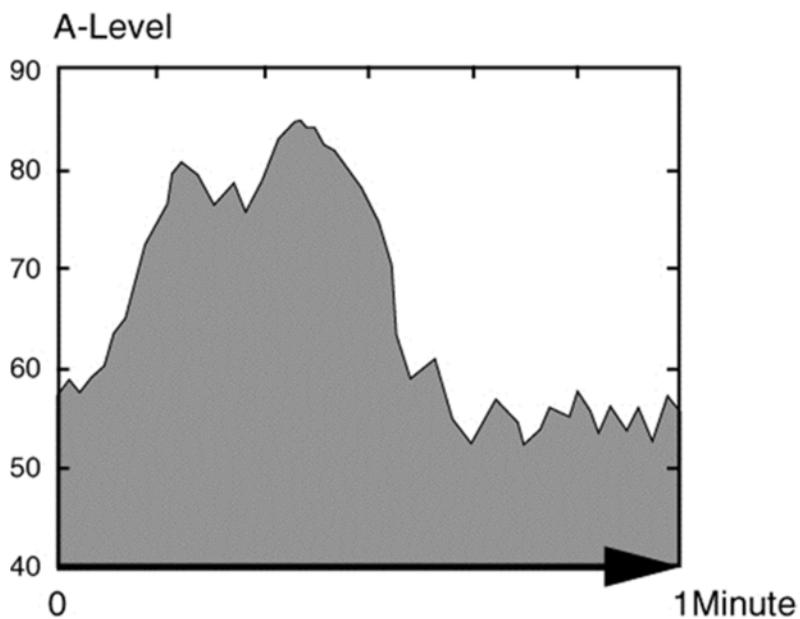
Frequency (i.e., pitch), another important characteristic of sound, is the rate of repetition of the sound pressure oscillations as they reach our ears, expressed in units known as Hertz (Hz). The human ear does not respond equally to identical noise levels at different frequencies. The normal frequency range of hearing for most people extends from a low of approximately 20 Hz to a high of 10,000 to 20,000 Hz. However, people are most sensitive to sounds in the voice range, between approximately 500 Hz to 2,000 Hz. Therefore, to correlate the amplitude of a sound with its level as perceived by people, the sound energy spectrum is adjusted, or “weighted.”

The weighting system most commonly used to correlate with human response to environmental noise is “A-weighting” (i.e., the “A-filter”) and the resultant noise level is called the A-weighted sound level. A-weighting significantly de-emphasizes those parts of the frequency spectrum from a noise source that occurs both at lower frequencies (below 500 Hz) and at very high frequencies (above 10,000 Hz) that people do not hear well. The filter has very little effect, or is nearly “flat,” in the middle range of frequencies, between 500 and 10,000 Hz. In addition to representing human hearing sensitivity, A-weighted sound levels have been found to correlate better than other weighting networks with human perception of “noisiness.” Due to its correlation with human hearing, the A-weighted level has been adopted as the basic measure of environmental noise by the EPA, and by nearly every other Federal and state agency concerned with community noise.

E.5 Maximum A-Weighted Noise Level (Lmax)

A-weighted sound levels vary with time. For example, as an aircraft approaches, the sound level increases, then falls and blends into the background as the aircraft recedes into the distance (though even the background varies as birds chirp or the wind blows or a vehicle passes by). This variation in sound level over time often makes it convenient to describe a particular noise "event" by its maximum sound level, abbreviated as Lmax. Exhibit E.1-1 illustrates this concept showing an Lmax of approximately 85 dB.

Exhibit E.1-1 Variations In The A-Weighted Sound Level Over Time



Source: Harris Miller Miller & Hanson Inc., 2013
Prepared By: Harris Miller Miller & Hanson Inc., 2013

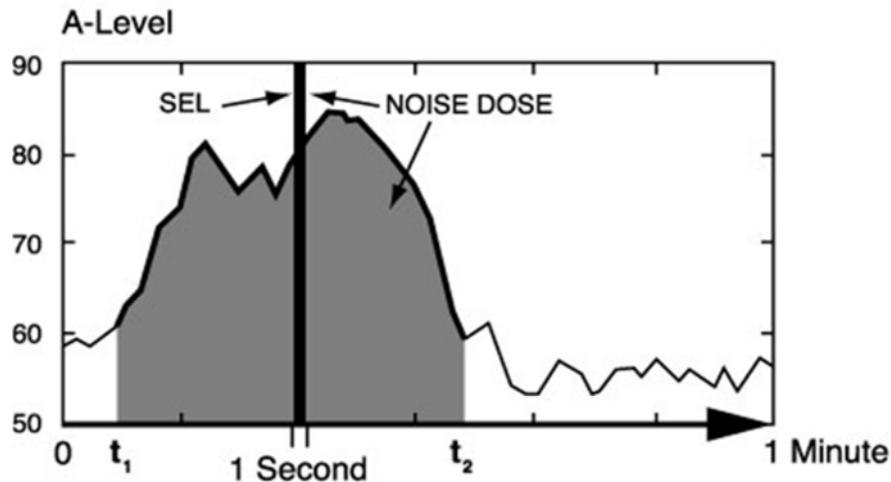
The maximum level describes only one dimension of an event but provides no information about cumulative noise exposure. In fact, two events with identical maxima may produce very different total exposures. One may be of very short duration, while the other may continue for an extended period and be perceived as much more annoying. To account for this deficiency, the Sound Exposure Level metric is used.

E.6 Sound Exposure Level (SEL)

Sound Exposure Level (SEL), the most frequently used measure of noise exposure for an individual aircraft noise event, measures the total noise energy produced during an event, from the time when the A-weighted sound level first exceeds a threshold (normally just above the background or ambient noise) to the time that it again drops below the threshold. To allow comparison of noise events with very different durations, SEL "normalizes" the duration in every case to one second. SEL is expressed as the steady noise level with just a one-second duration, which includes the same amount of noise energy as the actual longer duration, time-varying noise. In other words, SEL "squeezes" the entire noise event

into one second. Exhibit E.1-2 depicts this transformation, with the shaded area representing the energy included in an SEL measurement for the noise event, where the threshold is set to approximately 60 dB. The darkly shaded vertical bar, which is 90 dB high and just one second long (wide), contains exactly the same sound energy as the full event.

Exhibit E.1-2 Sound Exposure Level



Source: Harris Miller Miller & Hanson Inc., 2013
Prepared By: Harris Miller Miller & Hanson Inc., 2013

Because the SEL is normalized to one second, its value will always be larger than the L_{max} for an event longer than one second will. In this case, the SEL is 90 dB and the L_{max} is approximately 85 dB. For most aircraft overflights, the SEL is normally approximately 7 to 12 dB higher than L_{max} . Because SEL considers duration, longer exposure to relatively slow, quieter aircraft, such as propeller models, can yield the same or higher SEL values than a shorter duration exposure to faster, louder aircraft, such as corporate jets.

Aircraft noise models use SEL as the basis for computing exposure from multiple events, as in computing DNL.

E.7 Day-Night Average Sound Level (DNL)

FAA requires that airports use a more complex measurement of noise exposure than either a single, peak event metric like L_{max} or single event total noise energy metric like SEL. Neither of these metrics would adequately characterize cumulative noise exposure during an AAD, thus requiring development of the DNL noise metric. Based on the following considerations, the EPA has identified DNL as the most appropriate means of evaluating airport noise:

1. The measure should be applicable to the evaluation of pervasive long-term noise in various defined areas, under various conditions, over long periods.
2. The measure should correlate well with known effects of the noise environment, and on individuals and the public.

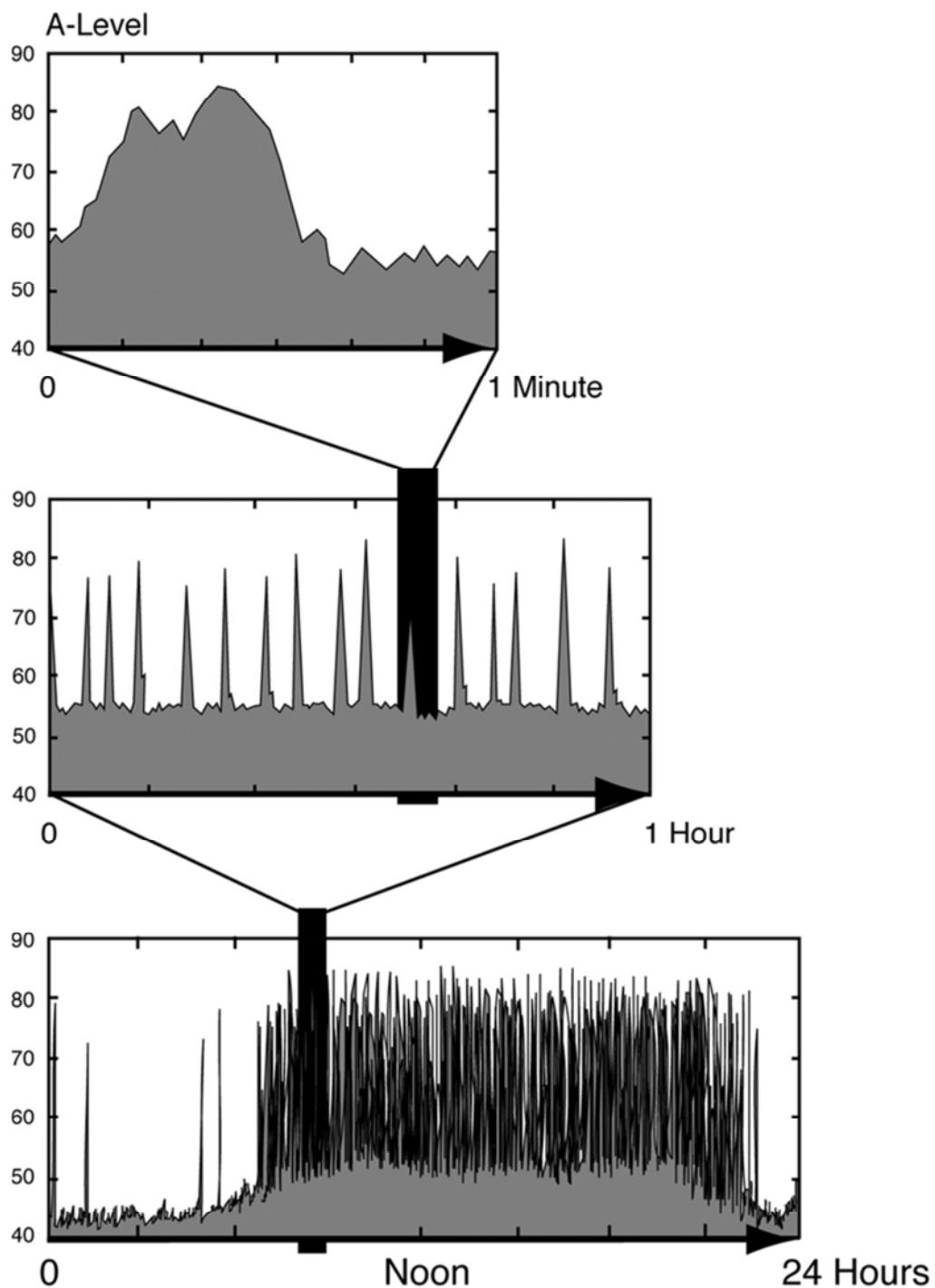
3. The measure should be simple, practical, and accurate. In principal, it should be useful for planning as well as for enforcement or monitoring purposes.
4. The required measurement equipment, with standard characteristics, should be commercially available.
5. The measure should be closely related to existing methods currently in use.
6. The single measure of noise at a given location should be predictable, within an acceptable tolerance, from knowledge of the physical events producing the noise.
7. The measure should lend itself to small, simple monitors, which can be left unattended in public areas for long periods.

The FAA and most other Federal agencies have formally adopted DNL when evaluating effects (primarily community annoyance) from aircraft operations in or near an airport.

The DNL metric represents noise as it occurs over a 24-hour period, with one important exception: DNL treats noise occurring at night differently from daytime noise. In determining DNL, the metric assumes that the A-weighted levels occurring at night (defined as 10 p.m. to 7 a.m.) are 10 dB louder than they actually are. This 10 dB increase is applied to account for the fact that there is a greater sensitivity to nighttime noise, and the fact that events at night are often perceived to be more intrusive because nighttime ambient noise is less than daytime ambient noise.

The manner by which these metrics build upon each other is illustrated in Exhibit E.1-3. A single event, peak (L_{max} or instantaneous) sound pressure level is transformed into a noise exposure metric (SEL) that accounts for and allows comparison of the magnitude and duration of the event by describing it in terms of energy over a constant duration (1 second). Exhibit E.1-1 illustrates changes to A-weighted sound level occurring during a single aircraft overflight event, repeated in the top frame of Exhibit E.1-3. The shaded area reflects the noise dose that a listener receives during the one-minute period of the sample. The center frame of Exhibit E.1-3 includes this one-minute sample within a full hour. The shaded area represents the noise during that hour with sixteen (16) discrete noise events, each producing a SEL. Similarly, the bottom frame includes the one-hour interval within a full 24 hours. Here, the shaded area represents the listener's noise dose over a complete day. Note that several overflights occur when the background noise drops some 10 dB, to approximately 45 dB.

Exhibit E.1-3 Daily Noise Dose

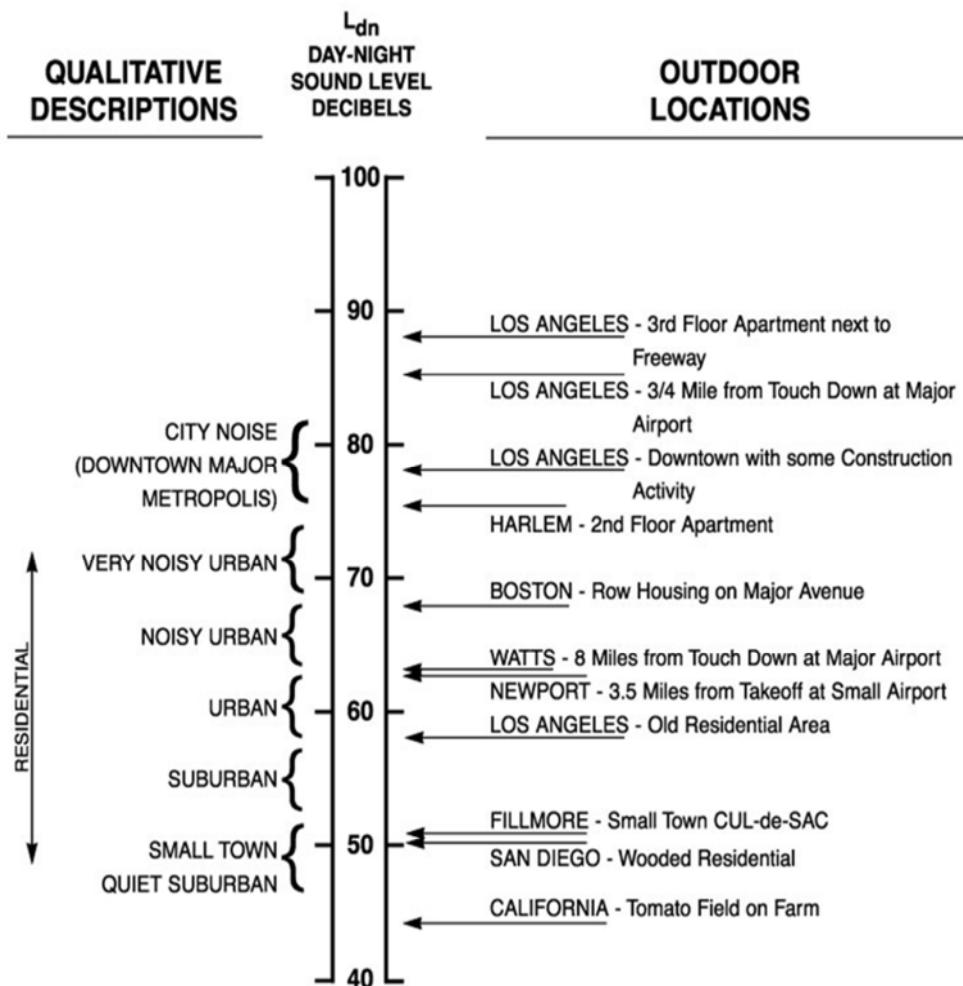


Source: Harris Miller Miller & Hanson Inc., 2013
Prepared By: Harris Miller Miller & Hanson Inc., 2013

While DNL can be measured or estimated, measurements are practical only for obtaining DNL values for relatively limited numbers of points, and, in the absence of a permanently

installed monitoring system, only for relatively short time periods. Most airport and airspace noise studies are based on computer-generated DNL estimates, determined by accounting for all of the SEL values from individual events that comprise the total noise dose at a given location. Computed DNL values are often depicted in terms of equal-exposure noise contours (much as topographic maps have contours delineating points of equal elevation), or by color-coded grid points representing population centroids, specific noise sensitive sites (e.g., schools or places of worship), or non-specific but uniform coverage of a large study area. Exhibit E.1-4 depicts typical DNL values for a variety of noise environments.

Exhibit E.1-4 Examples Of Day-Night Average Sound Levels, DNL



Source: "Information on Levels of Environmental Noise Requisite to Protect Public Health and Welfare With an Adequate Margin of Safety," P. 14.
 Prepared By: EPA, March 1974

E.8 The Effects of Aircraft Noise on People

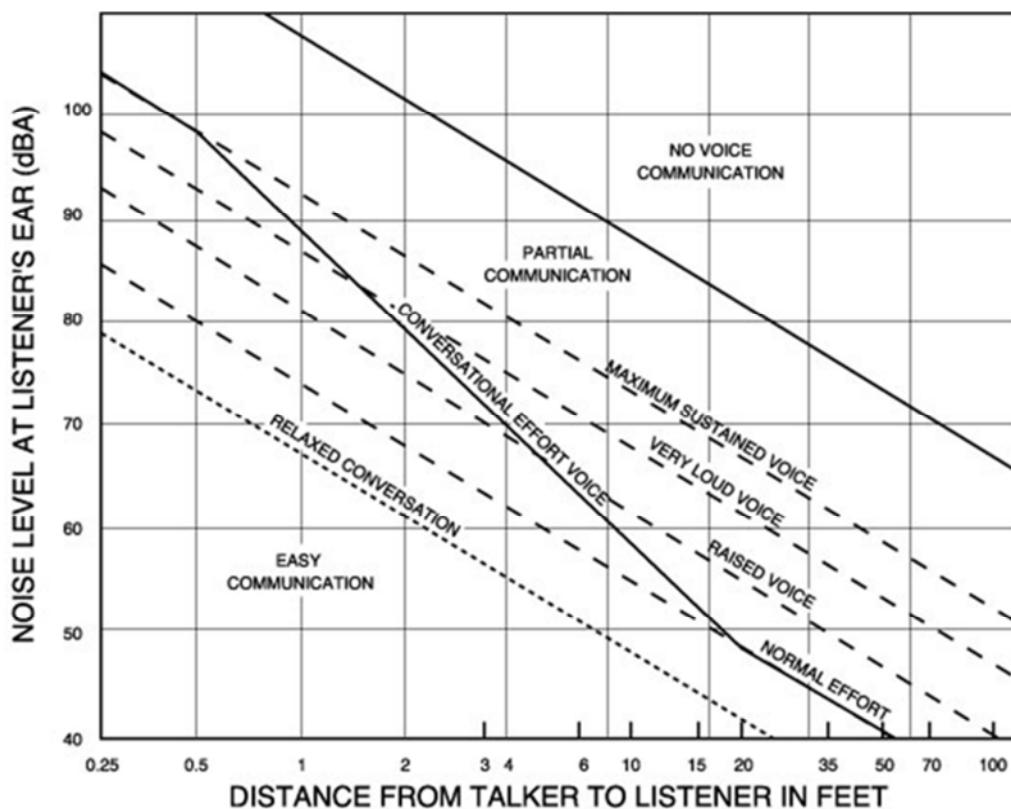
To residents around airports, aircraft noise can be an annoyance and a nuisance. It can interfere with conversation and listening to television, disrupt classroom activities in schools,

and disrupt sleep. Relating these effects to specific noise metrics helps in the understanding of how and why people react to their environment.

E.9 Speech Interference

A primary effect of aircraft noise is its tendency to drown out or "mask" speech, making it difficult to carry on a normal conversation. The sound level of speech decreases as the distance between a talker and listener increases. As the background sound level increases, it becomes harder to hear speech. Exhibit E.1-5 presents typical distances between talker and listener for satisfactory outdoor conversations, in the presence of different steady A-weighted background noise levels for raised, normal, and relaxed voice effort. As the background level increases, the talker must raise his/her voice, or the individuals must move closer for improved intelligibility.

Exhibit E.1-5 Outdoor Speech Intelligibility



Source: "Information on Levels of Environmental Noise Requisite to Protect Public Health and Welfare With an Adequate Margin of Safety," P. D-5.
Prepared By: EPA, March 1974

As indicated in the Exhibit, "satisfactory conversation" does not always require hearing every word; 95 percent intelligibility is acceptable for many conversations. Listeners can infer a few unheard words when they occur in a familiar context. However, in relaxed conversation, we have higher expectations of hearing speech and generally require closer

to 100 percent intelligibility. Any combination of talker-listener distances and background noise that falls below the bottom line in Exhibit E.1-5 (thus assuring 100% intelligibility) represents an ideal environment for outdoor speech communication and is considered necessary for acceptable indoor conversation as well.

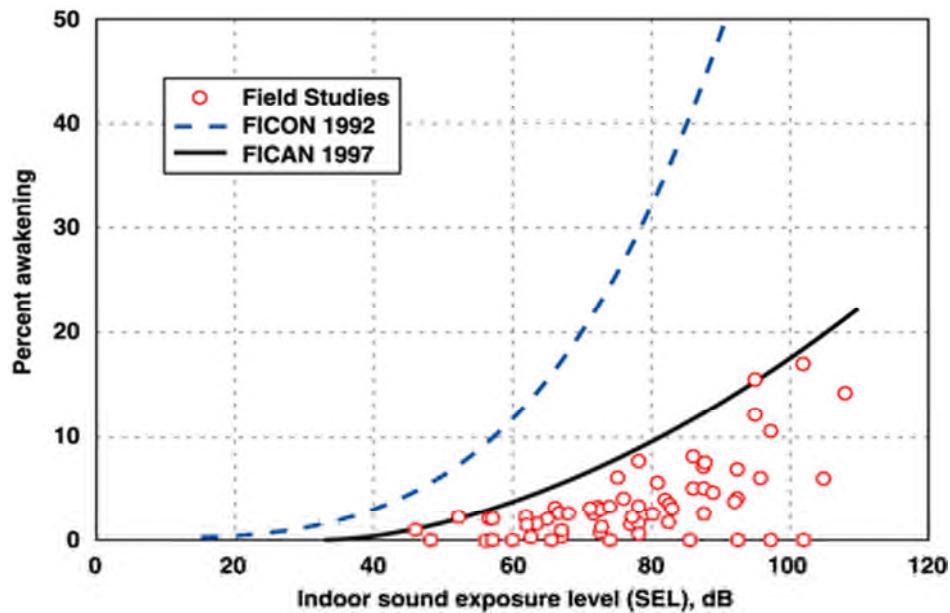
One implication of the relationships in Exhibit E.1-5 is that for typical communication distances of 3 to 4 ft. (1 to 1.5 m), acceptable outdoor conversations can be carried on in a normal voice as long as the background noise outdoors is less than about 65 dB. If the noise exceeds this level, as might occur when an aircraft passes overhead, intelligibility would be lost unless vocal effort were increased or communication distance were decreased.

Indoors, typical distances, voice levels, and intelligibility expectations generally require a background level less than 45 dB. With windows partly open, housing generally provides approximately 10 to 15 dB of interior-to-exterior noise level reduction. Thus, if the outdoor sound level is 60 dB or less, there is a reasonable chance that the resulting indoor sound level will afford acceptable conversation. With windows closed, 24 dB of attenuation is typical.

E.10 Sleep Interference

Research on sleep disruption from noise has led to widely varying observations. In part, this is because (1) sleep can be disturbed without awakening; (2) the deeper the sleep the more noise it takes to cause arousal; and (3) the tendency to awaken increases with age, and other factors. Exhibit E.1-6 shows a recent summary of findings on the topic.

Exhibit E.1-6 Sleep Interference



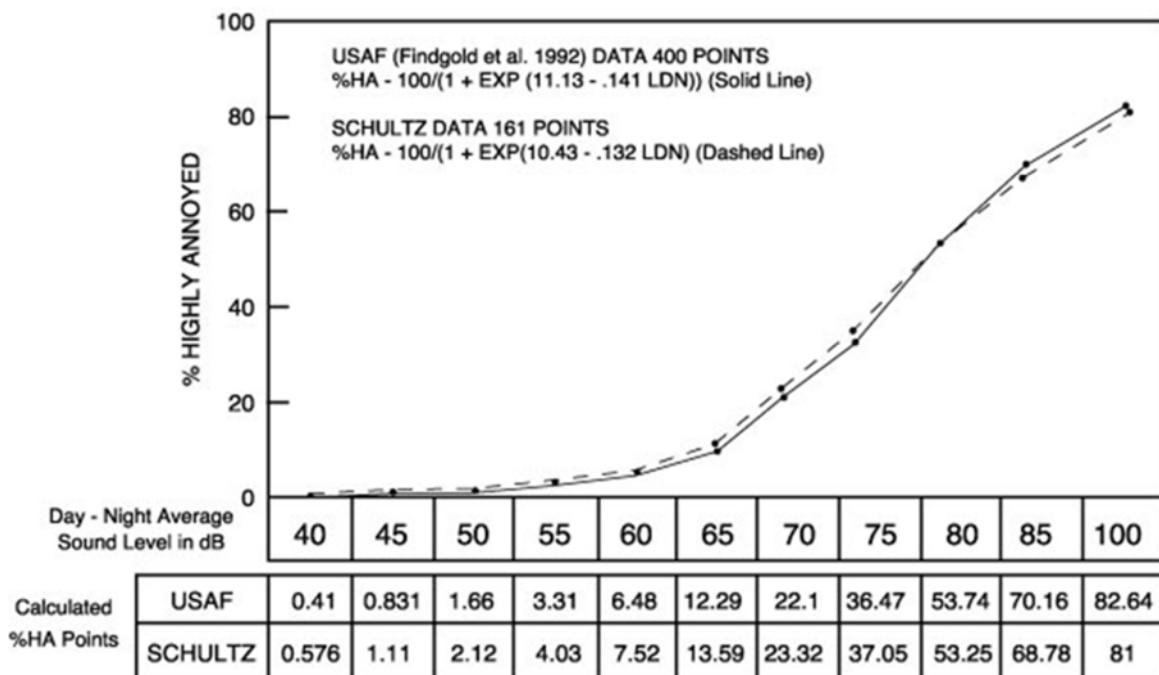
Source: "Effects of Aviation Noise on Awakenings From Sleep," P. 6.
Prepared By: Federal Interagency Committee on Aviation Noise (FICAN), June 1997

Exhibit E.1-6 uses indoor SEL as the measure of noise exposure as recent research supports the use of this metric in assessing sleep disruption. An indoor SEL of 80 dB results in a maximum of 10% awakening.

E.11 Community Annoyance

Numerous psychoacoustic surveys provide substantial evidence that individual reactions to noise vary widely for a given noise exposure level. However, research has confirmed that a community's aggregate response is generally predictable and relates reasonably well to measures of cumulative noise exposure such as DNL. Exhibit E.1-7 shows the widely recognized relationship between environmental noise and the percentage of people "highly annoyed," with annoyance being the key indicator of community response usually cited in this body of research.

Exhibit E.1-7 Percentage of People "Highly Annoyed"



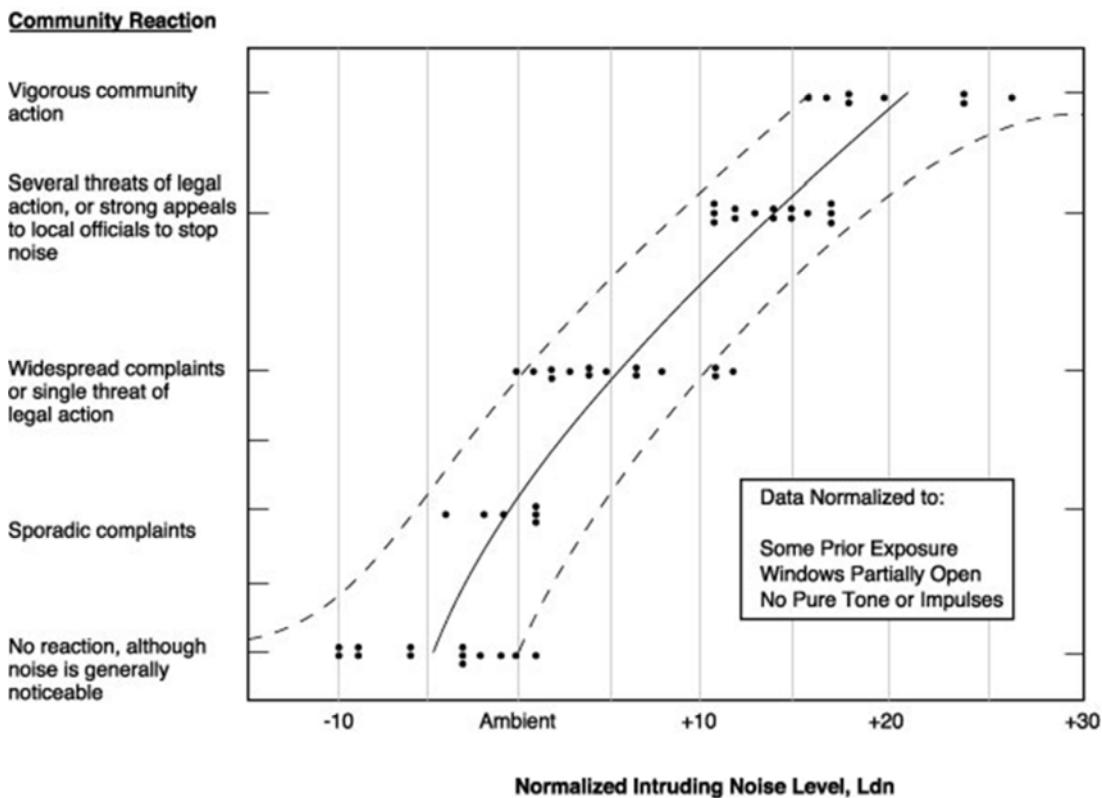
Source: "Federal Agency Review of Selected Airport Noise Analysis Issues," Pp. 3-6, Applied Using Data Provided by USAF Armstrong Laboratory.
Prepared By: FICAN, August 1992

Based on data from 18 surveys conducted worldwide, the curve indicates that at levels as low as DNL 55 dB, something on the order of 3 to 4 percent of people would be "highly annoyed," whereas this percentage of persons annoyed increases more rapidly as exposure increases above DNL 65 dB.

Separate work by the EPA has shown that overall community reaction to a noise environment is also dependent on DNL, as depicted in Exhibit E.1-8. Levels have been normalized to the same set of exposure conditions to permit valid comparisons between

ambient noise environments. Data summarized in that Exhibit suggest that little reaction would be expected for intrusive noise levels 5 dB below ambient, while widespread complaints can be expected as intruding noise exceeds background levels by about five decibels. Vigorous action is likely when the background is exceeded by 20 dB.

Exhibit E.1-8 Community Reaction as a Function of Outdoor DNL



Source: EPA, Office of Noise Abatement and Control, "Community Noise," P. 63.
Prepared By: Wyle Laboratories, December 1971

E.12 Noise/Land Use Compatibility Guidelines

The FAA, other Federal agencies, and several states have developed guidelines for identifying land use compatibility – for more noise-sensitive land use, noise exposure should be lower in order to achieve compatibility. Thus, DNL serves two principal purposes for aviation noise analysis:

- Provides a basis for comparing existing and future noise conditions
- Provides a quantitative basis for identifying potential noise impacts

Both of these functions require the application of objective criteria for evaluating noise impacts. Code of Federal Regulations, Title 14, Part 150 provides the FAA's recommended guidelines for determining noise/land use compatibility. According to these FAA guidelines, all identified land uses – even those that are more noise sensitive – normally are compatible with aircraft noise at DNL levels below 65 dB. The significance of this level is formally

supported in standards adopted by the U. S. Department of Housing and Urban Development (HUD). Code of Federal Regulations, Title 24, Part 51 indicates that areas exposed to DNL levels less than or equal to 65 dB are acceptable for HUD funding. Areas exposed to noise levels between DNL 65 dB and 75 dB are "normally unacceptable," and require special abatement measures and review. Those at DNL 75 dB and above are "unacceptable" except under very limited circumstances.

Appendix F: Section 4(f) Resources

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F.1 Inventory of Section 4(f) Resources

This appendix provides an inventory of potential Department of Transportation Act (DOT Act), Section 4(f) properties identified and evaluated as part of the Environmental Assessment (EA) for the North Texas Optimization of Airspace Procedures in the Metroplex (North Texas OAPM) project.

F.1.1 Inventory

The inventory of potential Section 4(f) properties is intended to include all public parks; recreation areas; wildlife and waterfowl refuges of national, state, or local significance; and properties listed on the National Register of Historic Places (National Register) located within the General Study Area (GSA). Spatial data for these properties was downloaded from federal, state, and local sources, identified in Table F-1.

Table F-1 Types of Section 4(f) Resources Considered in the General Study Area

Source	Accessed	URL
National Atlas	February 08, 2012	http://nationalatlas.gov/about.html
US Fish & Wildlife Service	June 13, 2012	http://www.fws.gov/GIS/data/CadastralDB/index.htm
United States Dept. of Agriculture	May 07, 2012	http://www.fs.usda.gov/main/texas/home
National Park Service	February 07, 2012	https://irma.nps.gov/App/Portal/Topics/Geospatial
Texas Natural Resource Information System (TNRIS)	May 03, 2012	http://data.tnris.org/datadownload/download.jsp
National Natural Landmark Sites	May 31, 2013	http://www.nature.nps.gov/nnl/nation.cfm
National Historic Landmarks	May 31, 2013	http://www.nps.gov/nhl/designations/listsofnhls.htm
Environmental Systems Research Institute, Inc.	May 03, 2012	CD: ESRI Data & Maps for ArcGIS 10

Sources: As noted above

Prepared by: Harris Miller Miller & Hanson Inc., August 2013

F.1.2 Noise Exposure at Department of Transportation Act, Section 4(f) Properties

Table F-2 identifies the 712 potential Section 4(f) properties identified within the GSA and those for which noise was modeled. The inventory includes the name, state, and geographical coordinates (latitude and longitude) of each potential resource, and presents the calculated noise exposure values under 2011 existing conditions and Proposed Action and No Action conditions for 2014 and 2019.

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Table F-2 Department of Transportation Act, Section 4(f) Properties Inventory and Noise Exposure Results

Type of Resource	Site Name	Gridpoint Location ID	Location			E.C.	N.A.	P.A.	Change	dB			
			State	Area (Acres)	Latitude					2011	2014	2019	
Local Park	AbionPark	4f_507_AbionPar	Texas	46.1	32.835770	-96.575020	45.2	45.1	45.4	0.3	45.3	45.5	0.2
State Park	Acton State Historic Site	4F_2_1_ActonS	Texas	197.1	32.440180	-97.693110	27.2	27.4	26.3	-1.1	28.0	27.0	-1.0
Local Park	Adair Spring Park	Pri21098	Texas	227.3	32.117115	-97.399584	28.5	27.7	30.6	2.9	27.2	30.5	3.3
Local Park	Adair Spring Park	4f_508_AdairSpr	Texas	227.3	32.110680	-97.402660	28.4	27.6	30.7	3.1	27.0	30.6	3.6
Local Park	Adams Street Park	4f_509_AdamsStr	Texas	3.5	32.599970	-96.691590	37.3	37.6	37.1	-0.5	38.0	37.5	-0.5
Local Park	Agnew Park	4f_510_AgnewPar	Texas	1.3	32.756950	-96.593940	45.3	45.4	45.4	0.0	46.0	45.9	-0.1
Local Park	Alamo Park	4f_511_AlamoPar	Texas	5.6	32.923780	-96.656430	45.1	45.2	44.0	-1.2	45.4	44.3	-1.1
Local Park	Alexander Park	4f_512_Alexande	Texas	8	32.644160	-96.899260	42.2	42.4	41.8	-0.6	42.9	42.2	-0.7
Local Park	Alta MesaPark	4f_513_AltaMesa	Texas	3.4	32.657370	-96.774890	43.6	43.8	43.8	0.0	44.0	44.0	0.0
Local Park	American Legion Park	4f_514_American	Texas	42.7	31.999590	-97.085830	39.3	39.3	39.5	0.2	39.9	40.0	0.1
Local Park	Amon Carter Park	4f_515_AmonCart	Texas	113.5	32.681930	-97.307690	43.6	43.2	44.3	1.1	42.9	44.1	1.2
Local Park	Anderson Bonner Park	4f_516_Anderson	Texas	121.3	32.916350	-96.778110	46.3	46.4	45.6	-0.8	47.0	46.4	-0.6
Local Park	Andrew Brown Community Park	4f_517_AndrewBr	Texas	133.2	32.980160	-96.997360	52.6	52.7	52.5	-0.2	53.0	52.8	-0.2
Local Park	ApachePark	4f_518_ApachePa	Texas	7.4	32.722280	-96.653350	43.3	43.1	44.5	1.4	43.4	45.0	1.6
Local Park	ArapahoePark	4f_519_Arapahoe	Texas	11.4	32.958200	-96.778980	49.0	49.1	48.7	-0.4	48.4	47.9	-0.5
Local Park	ArcadiaHeightsPark	4f_520_ArcadiaH	Texas	5.1	32.744450	-96.902760	49.9	50.1	50.1	0.0	50.4	50.3	-0.1
Local Park	ArcadiaPark	4f_521_ArcadiaP	Texas	15.2	32.743860	-96.915130	50.1	50.3	50.2	-0.1	50.5	50.5	0.0
Local Park	ArdenTerracePark	4f_522_ArdenTer	Texas	149.8	32.683280	-96.774380	44.8	44.9	44.6	-0.3	45.4	45.2	-0.2
Local Park	Arlington Sports Center	Pri27780	Texas	128.9	32.666956	-97.129529	43.5	43.6	43.7	0.1	43.8	44.0	0.2
Local Park	ArlingtonSportsCenter	4f_523_Arlingto	Texas	128.9	32.666110	-97.128120	43.4	43.6	43.7	0.1	43.8	44.1	0.3
Local Park	ArmstrongPark	4f_524_Armstron	Texas	16.3	32.647450	-96.905910	42.5	42.7	42.0	-0.7	43.2	42.5	-0.7
Local Park	ArnoldPark	4f_525_ArnoldPa	Texas	1.1	32.767140	-97.329370	47.2	47.2	47.2	0.0	47.4	47.4	0.0
Local Park	ARSchellPark	4f_506_ARSchell	Texas	25.2	33.036120	-96.683610	43.2	42.9	43.7	0.8	43.2	44.3	1.1
Local Park	AshCreekPark	4f_526_AshCreek	Texas	44.8	32.886210	-97.536010	45.4	45.5	45.2	-0.3	45.7	45.4	-0.3
Local Park	AvalonPark	4f_527_AvalonPa	Texas	168.6	33.032630	-96.485960	42.2	42.1	42.3	0.2	42.4	42.6	0.2

Appendix F: Section 4(f) Resources

Type of Resource	Location						2011	dB						
	Site Name	Gridpoint Location ID	State	Area (Acres)	Latitude	Longitude		N.A.	P.A.	Change	N.A.	P.A.	Change	
Local Park	BarbrookPark	4f_528_Barbrook	Texas	21.8	32.804410	-97.249800	48.4	48.6	48.6	0.0	48.9	48.8	-0.1	
Local Park	BartlettPark	4f_529_Bartlett	Texas	24	32.541770	-97.342130	36.6	36.3	34.7	-1.6	36.2	34.4	-1.8	
Local Park	BasePark	4f_530_BasePark	Texas	12.3	32.867510	-96.628020	46.9	46.9	45.5	-1.4	47.2	45.7	-1.5	
Local Park	BeardonPark	4f_531_BeardonP	Texas	9.4	32.657570	-96.548020	34.9	34.8	39.7	4.9	35.0	40.5	5.5	
Local Park	BeckleyHeightsPark	4f_532_BeckleyH	Texas	6.6	32.665500	-96.831690	44.5	44.7	43.8	-0.9	45.3	44.1	-1.2	
Local Park	BeckleySanerPark	4f_533_BeckleyS	Texas	17.7	32.714140	-96.824730	46.4	46.6	46.3	-0.3	46.9	46.5	-0.4	
Local Park	Bel-AirePark	4f_534_Bel-Aire	Texas	3.1	32.858190	-96.701330	47.7	47.8	46.0	-1.8	48.3	46.5	-1.8	
Local Park	BellairePark	4f_535_Bellaire	Texas	14	32.817980	-97.161840	46.7	46.8	46.9	0.1	47.1	47.2	0.1	
Local Park	BertFieldsPark	4f_536_BertFiel	Texas	33.8	32.941480	-96.797340	51.3	51.2	51.1	-0.1	49.9	49.7	-0.2	
Local Park	BettsPark	4f_537_BettsPar	Texas	12.2	33.154170	-96.107960	42.5	42.5	39.9	-2.6	42.9	40.3	-2.6	
Local Park	BettyJanePark	4f_538_BettyJan	Texas	3.6	32.883040	-96.854950	46.6	46.6	46.5	-0.1	47.2	47.2	0.0	
Local Park	BeverlyHillsPark	4f_539_BeverlyH	Texas	2.5	32.745150	-96.876650	49.4	49.5	49.4	-0.1	49.8	49.7	-0.1	
Local Park	Bi-CentennialPark	4f_540_Bi-Cente	Texas	12.7	32.581180	-97.343340	37.7	37.5	37.2	-0.3	37.5	37.2	-0.3	
Local Park	Big Mineral Park	Pri35267	Texas	743	33.792878	-96.815678	38.1	38.2	38.2	0.0	38.6	38.6	0.0	
Local Park	Big Mineral Park	Pri35268	Texas	743	33.801122	-96.815519	38.1	38.2	38.2	0.0	38.7	38.7	0.0	
Local Park	Big Mineral Park	Pri35510	Texas	743	33.776259	-96.806123	37.7	37.8	37.7	-0.1	38.2	38.1	-0.1	
Local Park	Big Mineral Park	Pri35511	Texas	743	33.784503	-96.805964	37.8	37.8	37.8	0.0	38.3	38.2	-0.1	
Local Park	BigMineralPark	4f_541_BigMiner	Texas	743	33.791380	-96.813640	38.1	38.1	38.1	0.0	38.6	38.5	-0.1	
Local Park	BigMustangCreekPark	4f_542_BigMusta	Texas	77	32.304440	-96.682520	26.8	26.8	28.0	1.2	27.1	28.4	1.3	
Local Park	BigSandyPark	4f_543_BigSandy	Texas	271.8	33.156740	-97.015240	44.3	44.5	44.1	-0.4	44.8	44.3	-0.5	
Local Park	BisbyPark	4f_544_BisbyPar	Texas	5.9	32.957070	-96.674820	44.4	44.4	44.3	-0.1	44.5	44.4	-0.1	
Local Park	BishopPark	4f_545_BishopPa	Texas	6.1	33.076630	-97.296080	45.2	44.7	45.3	0.6	44.7	45.3	0.6	
Local Park	Bluebonnet City Park	Pri39741	Texas	87	32.297987	-96.659407	26.2	26.2	27.5	1.3	26.5	27.7	1.2	
Local Park	BluebonnetCityPark	4f_547_Bluebonn	Texas	87	32.300630	-96.658450	26.5	26.4	27.7	1.3	26.7	27.9	1.2	
Local Park	BlueRidgePark	4f_546_BlueRidg	Texas	158.4	33.181420	-96.424810	33.4	33.5	34.8	1.3	34.4	36.4	2.0	
Local Park	BluffViewPark	4f_548_BluffVie	Texas	6.4	32.855810	-96.829820	49.1	49.3	49.2	-0.1	50.2	50.1	-0.1	
Local Park	BoazPark	4f_549_BoazPark	Texas	141.1	32.693040	-97.452270	48.5	48.6	49.1	0.5	48.8	49.4	0.6	
Local Park	BobCookPark	4f_550_BobCookP	Texas	18.9	32.714630	-97.076000	49.8	50.1	49.9	-0.2	50.4	50.3	-0.1	

Type of Resource	Location						2011	dB						
	Site Name	Gridpoint Location ID	State	Area (Acres)	Latitude	Longitude		N.A.	P.A.	Change	N.A.	P.A.	Change	
State Park	Bonham State Park	4F_8_2_Bonham	Texas	303.2	33.545210	-96.145110	29.6	29.7	28.9	-0.8	30.2	29.3	-0.9	
Local Park	Boulder Park	Pri34396	Texas	184.4	32.672018	-96.866181	55.1	55.1	55.4	0.3	50.0	49.7	-0.3	
Local Park	BoulderPark	4f_551_BoulderP	Texas	184.4	32.670560	-96.869630	46.8	46.9	46.5	-0.4	46.4	45.7	-0.7	
Local Park	BowlesPark	4f_552_BowlesPa	Texas	3.6	32.755850	-96.963650	52.8	52.9	52.8	-0.1	53.1	53.1	0.0	
Local Park	BowmanSpringsPark	4f_553_BowmanSp	Texas	11.6	32.688570	-97.216770	44.6	44.9	44.6	-0.3	45.1	44.7	-0.4	
Local Park	BradfordPark	4f_554_Bradford	Texas	58.3	32.920790	-96.616430	45.8	45.8	44.6	-1.2	46.1	45.1	-1.0	
Local Park	BratoniaPark	4f_555_Bratonia	Texas	142.1	33.109070	-96.520080	37.8	37.4	39.8	2.4	37.9	40.5	2.6	
Local Park	BreezyHillPark	4f_556_BreezyHi	Texas	7	32.728980	-96.286700	41.5	41.7	41.0	-0.7	42.1	41.5	-0.6	
Local Park	BrittonPark	4f_557_BrittonP	Texas	131.9	32.553570	-97.055310	43.8	43.8	44.0	0.2	44.0	44.2	0.2	
Local Park	BrockdalePark	4f_558_Brockdal	Texas	109.4	33.076320	-96.548400	40.9	40.5	41.3	0.8	40.7	41.7	1.0	
Local Park	BrownwoodPark	4f_559_Brownwoo	Texas	8.2	32.880100	-96.863220	49.0	49.3	49.1	-0.2	50.0	49.9	-0.1	
Local Park	BrutonPark	4f_560_BrutonPa	Texas	34.5	32.751210	-96.606660	44.9	44.9	45.5	0.6	45.4	46.1	0.7	
Local Park	BuckCreekPark	4f_561_BuckCree	Texas	116.2	33.445270	-96.932240	39.4	39.4	39.8	0.4	39.9	40.5	0.6	
Local Park	BuckhornPark	4f_563_Buckhorn	Texas	8.4	33.046000	-96.760250	45.1	44.9	45.0	0.1	45.3	45.3	0.0	
Local Park	BuckinghamPark	4f_564_Buckingh	Texas	7	32.932520	-96.724970	45.0	45.0	43.6	-1.4	45.4	43.8	-1.6	
Local Park	BucknerPark	4f_565_BucknerP	Texas	12.2	32.795180	-96.769930	53.7	53.9	53.3	-0.6	54.1	53.5	-0.6	
Local Park	BuckSansomPark	4f_562_BuckSans	Texas	190.6	32.809370	-97.375280	47.0	47.2	47.4	0.2	47.3	47.6	0.3	
Local Park	BuddyStewartPark	4f_566_BuddySte	Texas	121.9	32.330030	-97.447670	30.2	30.2	31.6	1.4	30.4	31.8	1.4	
Local Park	BunchePark	4f_567_BunchePa	Texas	37.9	32.719140	-97.235010	46.3	46.5	46.6	0.1	46.7	46.8	0.1	
Local Park	BunertPark	4f_568_BunertPa	Texas	9.7	32.101540	-96.445710	25.3	25.3	25.2	-0.1	25.6	25.5	-0.1	
Local Park	BurlesonPark	4f_569_Burleson	Texas	14	32.846490	-96.780470	47.0	47.0	46.5	-0.5	47.4	46.9	-0.5	
Local Park	BushmanPark	4f_570_BushmanP	Texas	6.5	32.708450	-96.772320	46.7	46.7	46.1	-0.6	47.3	46.6	-0.7	
National Grassland	Caddo National Grassland	4F_4_3_CaddoN	Texas	18731.7	33.700420	-95.984770	24.7	24.7	25.4	0.7	25.1	25.8	0.7	
National Grassland	Caddo National Grassland	Sec24987	Texas	18731.7	33.782468	-96.164132	25.1	25.1	24.3	-0.8	25.6	25.0	-0.6	
National Grassland	Caddo National Grassland	Sec25170	Texas	18731.7	33.765615	-96.144833	24.3	24.3	23.8	-0.5	24.7	25.0	0.3	
National Grassland	Caddo National Grassland	Sec26087	Texas	18731.7	33.714275	-96.047530	26.2	26.2	25.1	-1.1	26.6	25.5	-1.1	
National	Caddo National Grassland	Sec26273	Texas	18731.7	33.746857	-96.026876	25.8	25.8	24.7	-1.1	26.2	25.1	-1.1	

Appendix F: Section 4(f) Resources

Type of Resource	Location						2011	dB					
	Site Name	Gridpoint Location ID	State	Area (Acres)	Latitude	Longitude		N.A.	P.A.	Change	N.A.	P.A.	
Grassland													
National Grassland	Caddo National Grassland	Sec26438	Texas	18731.7	33.433252	-96.016010	25.1	25.1	28.4	3.3	25.4	30.3	4.9
National Grassland	Caddo National Grassland	Sec26456	Texas	18731.7	33.729984	-96.007612	25.4	25.5	25.6	0.1	25.8	26.0	0.2
National Grassland	Caddo National Grassland	Sec26457	Texas	18731.7	33.746468	-96.007143	25.6	25.6	25.2	-0.4	26.0	25.6	-0.4
National Grassland	Caddo National Grassland	Sec26640	Texas	18731.7	33.729591	-95.987883	24.8	24.9	25.8	0.9	25.2	26.2	1.0
National Grassland	Caddo National Grassland	Sec26641	Texas	18731.7	33.746075	-95.987411	25.1	25.1	25.6	0.5	25.5	26.0	0.5
National Grassland	Caddo National Grassland	Sec26824	Texas	18731.7	33.729195	-95.968154	24.4	24.4	25.6	1.2	24.8	25.9	1.1
National Grassland	Caddo National Grassland	Sec26825	Texas	18731.7	33.745679	-95.967679	24.5	24.5	25.7	1.2	25.0	26.1	1.1
National Grassland	Caddo National Grassland	Sec26826	Texas	18731.7	33.762163	-95.967203	24.8	24.8	25.6	0.8	25.2	26.0	0.8
National Grassland	Caddo National Grassland	Sec27008	Texas	18731.7	33.728796	-95.948426	24.2	24.2	25.0	0.8	24.6	25.4	0.8
National Grassland	Caddo National Grassland	Sec27009	Texas	18731.7	33.745280	-95.947946	24.1	24.0	25.4	1.4	24.5	25.8	1.3
National Grassland	Caddo National Grassland	Sec27010	Texas	18731.7	33.761764	-95.947467	24.2	24.2	25.6	1.4	24.6	26.0	1.4
National Grassland	Caddo National Grassland	Sec27191	Texas	18731.7	33.711910	-95.929180	24.2	24.2	23.8	-0.4	24.6	24.4	-0.2
National Grassland	Caddo National Grassland	Sec27192	Texas	18731.7	33.728394	-95.928697	24.0	24.0	24.2	0.2	24.4	24.7	0.3
National Grassland	Caddo National Grassland	Sec27375	Texas	18731.7	33.711505	-95.909456	24.3	24.3	23.4	-0.9	24.7	24.1	-0.6
National Grassland	Caddo National Grassland	Sec27563	Texas	18731.7	33.777032	-95.887770	23.1	23.1	24.6	1.5	23.5	25.1	1.6
National Grassland	Caddo National Grassland	Sec27564	Texas	18731.7	33.793515	-95.887279	23.1	23.1	24.9	1.8	23.6	25.4	1.8
National Grassland	Caddo National Grassland	Pri54578	Texas	18731.7	33.417347	-96.045963	25.4	25.4	29.3	3.9	25.8	31.7	5.9
National Grassland	Caddo National Grassland	Pri54824	Texas	18731.7	33.425397	-96.035903	25.3	25.2	29.1	3.9	25.6	31.4	5.8
National Grassland	Caddo National Grassland	Pri55069	Texas	18731.7	33.425203	-96.026073	25.3	25.3	28.6	3.3	25.6	30.5	4.9
National Grassland	Caddo National Grassland	Pri55311	Texas	18731.7	33.400280	-96.016940	26.1	26.2	27.7	1.5	26.5	28.8	2.3

Type of Resource	Location						2011	dB						
	Site Name	Gridpoint Location ID	State	Area (Acres)	Latitude	Longitude		N.A.	P.A.	Change	N.A.	P.A.	Change	
National Grassland	Caddo National Grassland	Pri55312	Texas	18731.7	33.408523	-96.016707	25.9	25.9	27.6	1.7	26.2	28.9	2.7	
Local Park	Caddo Park	Pri45728	Texas	414.1	33.176464	-96.405732	32.4	32.4	33.7	1.3	33.0	34.4	1.4	
Local Park	Caddo Park	Pri45729	Texas	414.1	33.184708	-96.405537	32.6	32.6	33.7	1.1	33.4	34.9	1.5	
Local Park	CaddoPark	4f_571_CaddoPar	Texas	4.5	33.035670	-96.744860	44.8	44.7	44.7	0.0	45.1	45.1	0.0	
Local Park	CaddoPark	4f_572_CaddoPar	Texas	414.1	33.184580	-96.407950	32.7	32.7	33.8	1.1	33.5	35.1	1.6	
Local Park	CampbellGreenPark	4f_573_Campbell	Texas	24	32.977500	-96.787170	47.8	47.9	47.8	-0.1	48.2	48.3	0.1	
Local Park	CampbellPark	4f_574_Campbell	Texas	12.5	32.644350	-96.712890	40.3	40.4	42.3	1.9	39.9	42.3	2.4	
Local Park	CanyonCreekPark	4f_575_CanyonCr	Texas	8.5	32.981930	-96.738540	46.1	46.1	46.2	0.1	46.0	46.0	0.0	
Local Park	CarouselPark	4f_576_Carousel	Texas	7.5	32.861170	-97.151660	44.5	44.2	44.3	0.1	44.4	44.4	0.0	
Local Park	CarrPark	4f_577_CarrPark	Texas	10.1	32.830820	-97.092070	50.0	50.2	50.3	0.1	50.5	50.6	0.1	
Local Park	CaruthPark	4f_578_CaruthPa	Texas	7.5	32.858150	-96.788180	46.6	46.5	46.1	-0.4	46.7	46.3	-0.4	
Local Park	CarverPark	4f_579_CarverPa	Texas	8.4	33.138750	-96.135280	42.7	42.7	40.1	-2.6	43.1	40.4	-2.7	
Local Park	CarverPark	4f_580_CarverPa	Texas	8.8	32.357740	-97.373070	31.8	31.4	31.2	-0.2	31.6	31.4	-0.2	
Local Park	CasaViewPark	4f_581_CasaView	Texas	8.4	32.846830	-96.674760	47.8	47.8	46.5	-1.3	48.3	47.1	-1.2	
Local Park	CasinoPark	4f_582_CasinoPa	Texas	64.2	32.820350	-97.452830	53.3	53.4	53.5	0.1	53.7	53.8	0.1	
State Park	Cedar Hill State Park	Pri30710	Texas	1871.5	32.583156	-97.013929	43.3	43.4	43.7	0.3	43.7	44.1	0.4	
State Park	Cedar Hill State Park	Pri30956	Texas	1871.5	32.591284	-97.004052	43.1	43.3	43.7	0.4	43.6	44.1	0.5	
State Park	Cedar Hill State Park	Pri30957	Texas	1871.5	32.599530	-97.003913	43.4	43.5	44.1	0.6	43.9	44.5	0.6	
State Park	Cedar Hill State Park	Pri31203	Texas	1871.5	32.607657	-96.994033	43.4	43.5	44.1	0.6	44.0	44.6	0.6	
State Park	Cedar Hill State Park	Pri31449	Texas	1871.5	32.615784	-96.984150	43.4	43.6	44.1	0.5	44.1	44.6	0.5	
State Park	Cedar Hill State Park	Pri31450	Texas	1871.5	32.624029	-96.984010	43.5	43.7	44.1	0.4	44.2	44.6	0.4	
State Park	Cedar Hill State Park	Pri31451	Texas	1871.5	32.632275	-96.983869	43.5	43.7	44.0	0.3	44.2	44.4	0.2	
Local Park	Cedar Mills Park	Pri35271	Texas	411.8	33.825851	-96.815044	38.2	38.2	38.2	0.0	38.7	38.7	0.0	
Local Park	Cedar Mills Park	Pri35272	Texas	411.8	33.834094	-96.814886	38.2	38.2	38.2	0.0	38.7	38.7	0.0	
Local Park	CedarBayouPark	4f_583_CedarBay	Texas	76.3	33.840980	-96.849300	37.4	37.3	37.4	0.1	37.7	37.8	0.1	
Local Park	CedarCreekPark	4f_584_CedarCre	Texas	193.9	31.995290	-97.371040	30.5	30.0	31.5	1.5	29.7	31.4	1.7	
Local Park	CedardalePark	4f_586_Cedardal	Texas	10.6	32.672970	-96.774370	44.1	44.1	44.1	0.0	44.7	44.6	-0.1	
Local Park	CedardalePark	4f_587_Cedardal	Texas	6.4	32.629300	-96.799900	43.2	43.4	43.6	0.2	43.3	43.5	0.2	

Appendix F: Section 4(f) Resources

Type of Resource	Location						2011	dB						
	Site Name	Gridpoint Location ID	State	Area (Acres)	Latitude	Longitude		N.A.	P.A.	Change	N.A.	P.A.	Change	
State Park	CedarHill State Park	4F_25_4_CedarH	Texas	1871.5	32.607350	-96.994900	43.4	43.6	44.1	0.5	44.0	44.6	0.6	
Local Park	CedarMillsPark	4f_585_CedarMil	Texas	411.8	33.834760	-96.813730	38.2	38.2	38.2	0.0	38.7	38.7	0.0	
Local Park	CedronCreekPark	4f_588_CedronCr	Texas	222.1	31.964980	-97.415000	28.5	27.9	32.1	4.2	27.5	32.0	4.5	
Local Park	CelestialPark	4f_589_Celestia	Texas	9.1	32.949220	-96.809490	53.8	53.8	53.7	-0.1	52.1	51.9	-0.2	
Local Park	CentralPark	4f_590_CentralP	Texas	49.4	32.831040	-97.134450	44.9	44.8	44.9	0.1	45.0	45.1	0.1	
Local Park	CentralPark	4f_591_CentralP	Texas	5.6	32.821870	-97.176670	46.6	46.6	46.7	0.1	46.9	47.0	0.1	
Local Park	CentralPark	4f_592_CentralP	Texas	9.4	32.904520	-96.645380	46.0	45.9	44.4	-1.5	46.3	45.0	-1.3	
Local Park	ChapmanPark	4f_593_ChapmanP	Texas	32.7	33.617900	-96.570480	33.4	33.6	33.3	-0.3	34.0	33.6	-0.4	
Local Park	ChapmanPark	4f_594_ChapmanP	Texas	10.1	32.408410	-96.837520	38.0	38.2	37.8	-0.4	38.9	38.6	-0.3	
Local Park	CherryWoodPark	4f_595_CherryWo	Texas	3.1	32.823020	-96.828300	63.8	64.3	64.3	0.0	65.6	65.5	-0.1	
Local Park	CheyennePark	4f_596_Cheyenne	Texas	9.4	33.033520	-96.763730	45.4	45.3	45.2	-0.1	45.8	45.6	-0.2	
Local Park	CheyennePark	4f_597_Cheyenne	Texas	24.1	32.724270	-96.637680	43.0	42.9	44.2	1.3	43.2	44.5	1.3	
Local Park	ChisenhallPark	4f_598_Chisenha	Texas	52.1	32.523190	-97.328690	37.2	36.8	36.3	-0.5	36.6	36.1	-0.5	
Local Park	ChisholmTrailPark	4f_599_Chisholm	Texas	49.4	32.142470	-97.478390	24.8	24.5	27.3	2.8	24.4	27.4	3.0	
Local Park	ChisiholmPark	4f_600_Chishol	Texas	56.8	32.858270	-97.171610	44.7	44.6	44.5	-0.1	44.9	44.7	-0.2	
Local Park	ChurchillPark	4f_601_Churchil	Texas	17.8	32.917730	-96.783840	46.6	46.7	46.1	-0.6	47.3	47.1	-0.2	
Local Park	CirclePark	4f_602_CirclePa	Texas	5.3	32.780260	-97.356100	53.3	53.1	53.2	0.1	52.5	52.5	0.0	
Local Park	CityPark	4f_603_CityPark	Texas	22.3	33.213240	-98.159780	41.6	41.9	38.0	-3.9	42.1	38.3	-3.8	
Local Park	CityPark	4f_604_CityPark	Texas	6.4	32.886520	-97.159380	44.9	44.5	44.4	-0.1	44.7	44.5	-0.2	
Local Park	CityPark	4f_605_CityPark	Texas	75.8	32.877660	-97.516330	45.6	45.7	45.3	-0.4	45.9	45.5	-0.4	
Local Park	CityPark	4f_606_CityPark	Texas	19.2	32.840680	-97.254070	46.9	46.9	46.6	-0.3	47.0	46.8	-0.2	
Local Park	CityPark	4f_607_CityPark	Texas	12.1	32.804960	-97.282410	48.9	49.1	48.9	-0.2	49.2	49.0	-0.2	
Local Park	CityPark	4f_608_CityPark	Texas	29.1	32.803100	-97.241150	48.4	48.6	48.5	-0.1	48.8	48.7	-0.1	
Local Park	CityPark	4f_609_CityPark	Texas	15.3	32.786770	-97.278550	49.1	49.3	49.1	-0.2	49.5	49.3	-0.2	
Local Park	CityPark	4f_610_CityPark	Texas	35.6	32.751380	-97.471930	45.4	45.4	44.7	-0.7	45.6	44.9	-0.7	
Local Park	CityPark	4f_611_CityPark	Texas	18.9	32.799970	-97.456330	53.6	53.7	53.3	-0.4	54.0	53.6	-0.4	
Local Park	CityPark	4f_612_CityPark	Texas	16.5	32.824230	-97.450700	50.5	50.6	50.8	0.2	50.9	51.1	0.2	
Local Park	CityPark	4f_613_CityPark	Texas	17.1	32.794330	-97.479970	44.4	44.4	44.5	0.1	44.7	44.7	0.0	

Type of Resource	Location						2011	dB						
	Site Name	Gridpoint Location ID	State	Area (Acres)	Latitude	Longitude		N.A.	P.A.	Change	N.A.	P.A.	Change	
Local Park	CityPark	4f_614_CityPark	Texas	26.5	32.849200	-97.481570	46.9	47.1	47.3	0.2	47.4	47.5	0.1	
Local Park	CityPark	4f_615_CityPark	Texas	766.7	32.772950	-96.788370	53.3	53.6	53.7	0.1	54.1	54.1	0.0	
Local Park	CityPark	4f_616_CityPark	Texas	114.5	32.931520	-96.451130	45.3	45.3	44.6	-0.7	45.5	44.9	-0.6	
Local Park	CityPark	4f_617_CityPark	Texas	1379.1	32.742570	-96.296380	43.0	43.1	42.0	-1.1	43.5	42.3	-1.2	
Local Park	CityPark	4f_618_CityPark	Texas	2569.5	32.443750	-97.800980	28.3	28.4	26.0	-2.4	28.7	26.3	-2.4	
Local Park	CityPark	4f_619_CityPark	Texas	12.9	32.017530	-97.123870	38.7	38.8	38.9	0.1	39.1	39.3	0.2	
Local Park	ClarenceFosterPark	4f_620_Clarence	Texas	16.3	32.712360	-97.177160	46.4	46.7	46.4	-0.3	47.0	46.6	-0.4	
Local Park	ClearLakePark	4f_621_ClearLak	Texas	138.9	33.056410	-96.489060	41.2	41.0	41.1	0.1	41.3	41.4	0.1	
State Park	Cleburne State Park	4F_27_5_Clebur	Texas	534.2	32.263490	-97.555790	25.2	25.4	25.9	0.5	25.8	26.5	0.7	
State Park	Cleburne State Park	Pri16951	Texas	534.2	32.266898	-97.562738	25.1	25.2	25.8	0.6	25.7	26.3	0.6	
State Park	Cleburne State Park	Pri17195	Texas	534.2	32.258578	-97.553120	25.3	25.4	25.9	0.5	25.8	26.5	0.7	
State Park	Cleburne State Park	Pri17196	Texas	534.2	32.266824	-97.553033	25.4	25.5	26.1	0.6	25.9	26.7	0.8	
Local Park	CobbPark	4f_622_CobbPark	Texas	169.8	32.713180	-97.295910	45.8	45.4	46.2	0.8	45.5	46.2	0.7	
Local Park	CochronPark	4f_623_CochronP	Texas	2.7	32.816890	-96.781920	50.7	51.0	50.3	-0.7	51.7	51.0	-0.7	
Local Park	CodyPark	4f_624_CodyPark	Texas	12.8	32.847880	-96.608520	46.3	46.2	45.5	-0.7	46.4	45.7	-0.7	
Local Park	ColePark	4f_625_ColePark	Texas	9.1	32.813140	-96.793200	54.5	54.8	54.2	-0.6	55.6	55.0	-0.6	
Local Park	ColgatePark	4f_626_ColgateP	Texas	23.9	32.730420	-96.998610	49.5	49.7	49.5	-0.2	50.0	49.8	-0.2	
Local Park	CollegePark	4f_627_CollegeP	Texas	5.4	33.052760	-97.008910	51.2	51.3	51.3	0.0	51.7	51.6	-0.1	
Local Park	CollegePark	4f_628_CollegeP	Texas	29.6	32.683600	-96.763840	44.6	44.6	44.4	-0.2	45.2	44.9	-0.3	
Local Park	CollettPark	4f_629_CollettP	Texas	7.3	32.718190	-97.392310	45.0	45.0	46.0	1.0	44.9	46.0	1.1	
Local Park	CollinPark	4f_630_CollinPa	Texas	168.1	33.047640	-96.532200	41.2	41.0	42.0	1.0	41.3	42.4	1.1	
Local Park	CommunityPark	4f_631_Communit	Texas	48.8	32.101610	-96.478660	23.9	23.9	24.3	0.4	24.2	24.6	0.4	
Local Park	CoomerPark	4f_632_CoomerPa	Texas	12.6	32.944740	-96.637790	44.7	44.7	44.2	-0.5	44.9	44.5	-0.4	
State Park	Cooper Lake State Park - Doctors Creek	4F_15_6_Cooper	Texas	547.2	33.345740	-95.670250	36.7	36.9	36.6	-0.3	37.3	37.0	-0.3	
State Park	Cooper Lake State Park - South Sulphur	4F_19_7_Cooper	Texas	2668.2	33.291290	-95.653190	40.8	40.8	38.8	-2.0	41.2	39.3	-1.9	
State Park	Cooper Lake State Park - South Sulphur	Sec29742	Texas	2668.2	33.293855	-95.666359	40.7	40.8	38.7	-2.1	41.1	39.1	-2.0	
State Park	Cooper Lake State Park - South Sulphur	Sec29926	Texas	2668.2	33.293409	-95.646729	40.8	40.8	38.8	-2.0	41.2	39.3	-1.9	

Appendix F: Section 4(f) Resources

Type of Resource	Location						2011	dB						
	Site Name	Gridpoint Location ID	State	Area (Acres)	Latitude	Longitude		N.A.	P.A.	Change	N.A.	P.A.	Change	
State Park	Cooper Lake State Park - South Sulphur	Sec30110	Texas	2668.2	33.292960	-95.627100	40.7	40.7	39.0	-1.7	41.1	39.5	-1.6	
State Park	Cooper Lake State Park - South Sulphur	Sec30295	Texas	2668.2	33.308992	-95.606930	40.7	40.7	38.7	-2.0	41.1	39.2	-1.9	
Local Park	CopperasBranchPark	4f_633_Copperas	Texas	105.4	33.094890	-97.031390	47.7	47.9	47.8	-0.1	48.2	48.0	-0.2	
Local Park	CottonwoodPark	4f_634_Cottonwo	Texas	93.5	33.144790	-96.945650	44.1	44.2	43.7	-0.5	44.6	43.9	-0.7	
Local Park	CottonwoodPark	4f_635_Cottonwo	Texas	118.4	33.056690	-96.434450	42.4	42.3	41.2	-1.1	42.6	41.4	-1.2	
Local Park	CottonwoodPark	4f_636_Cottonwo	Texas	122	32.726380	-97.009210	50.1	50.3	50.2	-0.1	50.6	50.5	-0.1	
Local Park	CottonwoodPark	4f_637_Cottonwo	Texas	20.2	32.949210	-96.765070	48.0	48.0	47.5	-0.5	47.5	46.9	-0.6	
Local Park	CottonwoodPark	4f_638_Cottonwo	Texas	4.8	32.935590	-96.758390	45.9	45.9	45.0	-0.9	46.1	45.1	-1.0	
Local Park	CottonwoodPark	4f_639_Cottonwo	Texas	4.3	32.593670	-96.688400	37.1	37.3	36.6	-0.7	37.7	37.0	-0.7	
Local Park	CoxLanePark	4f_640_CoxLaneP	Texas	6.7	32.896280	-96.850010	45.1	45.0	44.8	-0.2	45.5	45.2	-0.3	
Local Park	CraddockPark	4f_641_Craddock	Texas	10.1	32.819560	-96.816100	59.7	60.0	60.4	0.4	60.9	61.2	0.3	
Local Park	CravensPark	4f_642_CravensP	Texas	57.4	32.651940	-97.110440	43.9	44.0	44.2	0.2	44.1	44.4	0.3	
Local Park	CrawfordPark	4f_643_Crawford	Texas	266.5	32.713360	-96.669470	43.1	43.0	45.3	2.3	43.4	45.7	2.3	
Local Park	CrawfordPark	4f_644_Crawford	Texas	13.9	32.595850	-96.954490	42.1	42.2	42.6	0.4	42.7	43.1	0.4	
Local Park	CrockettPark	4f_645_Crockett	Texas	15.3	32.739810	-96.996470	50.2	50.4	50.3	-0.1	50.7	50.6	-0.1	
Local Park	CrowleyPark	4f_646_CrowleyP	Texas	53.3	32.988120	-96.675180	43.2	43.2	43.9	0.7	43.3	43.9	0.6	
Local Park	CrownPark	4f_647_CrownPar	Texas	16.2	32.899140	-96.900710	55.5	56.0	56.6	0.6	57.2	58.5	1.3	
Local Park	CullamPark	4f_648_CullamPa	Texas	12.4	32.923480	-96.646880	45.3	45.3	44.2	-1.1	45.6	44.5	-1.1	
Local Park	CulleokaPark	4f_649_Culleoka	Texas	90.3	33.101750	-96.494610	38.8	38.4	40.1	1.7	38.9	40.6	1.7	
Local Park	CummingsPark	4f_650_Cummings	Texas	3.4	32.698330	-96.770250	46.0	46.0	45.5	-0.5	46.5	46.0	-0.5	
Local Park	CurtisPark	4f_651_CurtisPa	Texas	8.5	32.850360	-96.792510	47.2	47.2	46.8	-0.4	47.6	47.2	-0.4	
Local Park	CusterPark	4f_652_CusterPa	Texas	8.7	32.996560	-96.730410	44.8	44.9	45.0	0.1	45.1	45.2	0.1	
Zoo	Dallas Park Zoo	4F_0_DPZoo	Texas	106	32.742664	-96.814010	48.5	48.7	48.4	-0.3	49.2	48.7	-0.5	
Zoo	Dallas Park Zoo	4F_1_DPZoo	Texas	106	32.739832	-96.817067	48.2	48.4	48.0	-0.4	48.9	48.4	-0.5	
Zoo	Dallas Park Zoo	4F_2_DPZoo	Texas	106	32.736298	-96.816208	47.9	48.2	47.7	-0.5	48.6	48.1	-0.5	
Local Park National Natural Landmark	DanielldalePark Dealey Plaza Historic District	4f_653_Danielda NNL_1_Dealey	Texas	18.4 15	32.646200 32.778866	-96.830610 -96.808439	45.8 52.3	46.0 52.5	45.7 52.4	-0.3 -0.1	45.5 53.3	44.8 53.2	-0.7 -0.1	

Type of Resource	Location						2011	dB						
	Site Name	Gridpoint Location ID	State	Area (Acres)	Latitude	Longitude		N.A.	P.A.	Change	N.A.	P.A.	Change	
Local Park	DealeyPark	4f_654_DealeyPa	Texas	15.7	32.895950	-96.791440	46.3	46.3	46.1	-0.2	46.7	46.7	0.0	
Local Park	DeerPathPark	4f_655_DeerPath	Texas	6.1	32.712420	-96.793380	47.1	47.1	46.5	-0.6	47.8	47.1	-0.7	
Local Park	DeniaPark	4f_656_DeniaPar	Texas	23.4	33.189330	-97.143330	41.9	41.9	42.1	0.2	42.1	42.3	0.2	
Local Park	DevonPark	4f_657_DevonPar	Texas	24.9	32.741120	-96.707440	46.7	46.8	48.4	1.6	47.2	48.8	1.6	
Local Park	DiamondHillPark	4f_658_DiamondH	Texas	19.3	32.810530	-97.336000	47.8	48.0	47.9	-0.1	48.1	48.1	0.0	
State Park	Dinosaur Valley State Park	4F_28_8_Dinosa	Texas	1773.8	32.250120	-97.812080	26.9	27.0	25.9	-1.1	27.4	26.0	-1.4	
National Natural Landmark	Dinosaur Valley State Park	Pri10334	Texas	1773.8	32.252115	-97.824905	27.2	27.3	26.5	-0.8	27.7	26.5	-1.2	
National Natural Landmark	Dinosaur Valley State Park	Pri10580	Texas	1773.8	32.260307	-97.815138	27.4	27.5	26.6	-0.9	27.9	26.6	-1.3	
National Natural Landmark	Dinosaur Valley State Park	Pri10581	Texas	1773.8	32.268553	-97.815075	27.6	27.7	26.7	-1.0	28.1	26.7	-1.4	
National Natural Landmark	Dinosaur Valley State Park	Pri10824	Texas	1773.8	32.252007	-97.805497	27.0	27.1	25.8	-1.3	27.5	26.0	-1.5	
State Park	Dinosaur Valley State Park	Pri11068	Texas	1773.8	32.243706	-97.795859	27.0	27.0	25.3	-1.7	27.4	25.5	-1.9	
National Natural Landmark	Dinosaur Valley State Park	NNL_7_Dinosa	Texas	1773.8	32.251510	-97.812200	27.0	27.1	25.9	-1.2	27.5	26.1	-1.4	
Local Park	Doe Branch Park	Pri32253	Texas	163.5	33.184341	-96.944972	43.7	43.8	43.3	-0.5	44.2	43.7	-0.5	
Local Park	DoeBranchPark	4f_659_DoeBranc	Texas	163.5	33.182630	-96.943430	43.6	43.7	43.2	-0.5	44.1	43.7	-0.4	
Local Park	DougRusselPark	4f_660_DougRuss	Texas	8.6	32.727560	-97.116190	49.0	49.3	49.0	-0.3	49.6	49.3	-0.3	
Local Park	DovePark	4f_661_DovePark	Texas	9.3	32.956030	-97.098250	45.9	46.0	45.9	-0.1	46.3	46.2	-0.1	
Local Park	DuncanRobinsonPark	4f_662_DuncanRo	Texas	9.4	32.712860	-97.141960	47.3	47.6	47.2	-0.4	47.9	47.4	-0.5	
Local Park	DutchBranchPark	4f_663_DutchBra	Texas	383.3	32.660820	-97.478470	39.3	39.4	41.9	2.5	39.6	42.1	2.5	
Local Park	EasternHillPark	4f_666_EasternH	Texas	14.4	32.872090	-96.604690	46.7	46.8	45.3	-1.5	47.0	45.5	-1.5	
Local Park	EastForkPark	4f_664_EastFork	Texas	87.2	33.037900	-96.512540	41.6	41.4	42.1	0.7	41.7	42.4	0.7	
Local Park	EastHillPark	4f_665_EastHill	Texas	286.3	33.072220	-96.916310	46.2	46.2	46.1	-0.1	46.6	46.5	-0.1	
Local Park	EastoverPark	4f_667_Eastover	Texas	14.8	32.722430	-97.258270	46.3	46.5	46.7	0.2	46.6	46.9	0.3	
Local Park	EastvalePark	4f_668_Eastvale	Texas	77.8	33.115160	-96.893460	46.5	46.5	45.9	-0.6	46.9	46.3	-0.6	
Local Park	EdisonPark	4f_669_EdisonPa	Texas	29.8	33.627590	-97.125290	40.5	40.4	40.5	0.1	40.5	40.6	0.1	
State Park	Eisenhower State Park	4F_6_9_Eisenh	Texas	409.1	33.818850	-96.609360	41.6	41.7	41.7	0.0	42.0	42.0	0.0	
Local Park	EllisPark	4f_670_EllisPar	Texas	12.8	32.701770	-97.305990	45.0	44.6	45.6	1.0	44.5	45.5	1.0	

Appendix F: Section 4(f) Resources

Type of Resource	Location						2011	dB						
	Site Name	Gridpoint Location ID	State	Area (Acres)	Latitude	Longitude		N.A.	P.A.	Change	N.A.	P.A.	Change	
Local Park	Elm Creek Park	Pri44988	Texas	240.5	33.135733	-96.436106	34.8	34.6	37.3	2.7	35.1	37.6	2.5	
Local Park	Elm Creek Park	Pri45233	Texas	240.5	33.135570	-96.426307	34.8	34.6	37.4	2.8	35.0	37.7	2.7	
Local Park	ElmCreekPark	4f_671_ElmCreek	Texas	240.5	33.134900	-96.430490	34.8	34.6	37.4	2.8	35.1	37.7	2.6	
Local Park	Elmhurst Park	Pri2559	Texas	85.7	32.789424	-98.133225	38.7	38.7	39.1	0.4	39.0	39.3	0.3	
Local Park	ElmhurstPark	4f_672_Elmhurst	Texas	85.7	32.787980	-98.133920	38.7	38.7	39.0	0.3	39.0	39.3	0.3	
Local Park	EmbreePark	4f_673_EmbreePa	Texas	10.6	32.897960	-96.623250	46.4	46.4	45.0	-1.4	46.7	45.4	-1.3	
Local Park	ErwinMunicipalPark	4f_674_ErwinMun	Texas	223.6	33.255040	-96.655230	39.5	39.6	37.8	-1.8	39.9	38.1	-1.8	
Local Park	Estes Park	Pri30222	Texas	649.7	32.599878	-97.033135	44.5	44.6	45.1	0.5	44.9	45.5	0.6	
Local Park	Estes Park	Pri30223	Texas	649.7	32.608124	-97.032999	44.8	44.9	45.4	0.5	45.2	45.8	0.6	
Local Park	Estes Park	Pri30468	Texas	649.7	32.608008	-97.023258	44.4	44.5	45.1	0.6	44.8	45.5	0.7	
Local Park	Estes Park	Pri30469	Texas	649.7	32.616254	-97.023121	44.7	44.8	45.4	0.6	45.2	45.8	0.6	
Local Park	Estes Park	Pri30714	Texas	649.7	32.616138	-97.013378	44.3	44.4	45.0	0.6	44.8	45.4	0.6	
Local Park	Estes Park	Pri30715	Texas	649.7	32.624383	-97.013240	44.6	44.7	45.2	0.5	45.1	45.6	0.5	
Local Park	EstesPark	4f_675_EstesPar	Texas	649.7	32.612440	-97.023170	44.6	44.7	45.3	0.6	45.0	45.7	0.7	
Local Park	EvansPark	4f_676_EvansPar	Texas	12.4	33.021920	-96.754220	45.1	45.1	45.0	-0.1	45.6	45.7	0.1	
Local Park	EvergladePark	4f_677_Everglad	Texas	7.8	32.786230	-96.698980	47.7	47.9	47.7	-0.2	48.4	48.1	-0.3	
Local Park	EversPark	4f_678_EversPar	Texas	21.1	33.246400	-97.132810	41.7	41.6	41.8	0.2	41.7	41.9	0.2	
Local Park	ExallPark	4f_679_ExallPar	Texas	9.9	32.793370	-96.784690	55.9	56.2	56.5	0.3	56.9	57.0	0.1	
Local Park	ExlinePark	4f_680_ExlinePa	Texas	5.7	32.757230	-96.760750	51.7	52.0	52.8	0.8	52.4	53.1	0.7	
National Natural Landmark	Fair Park Texas Centennial Buildings	NNL_2_FairPa	Texas	277	32.781401	-96.763688	53.7	54.0	54.3	0.3	54.0	54.3	0.3	
Local Park	FairfaxPark	4f_682_FairfaxP	Texas	2.2	32.833140	-96.814560	54.6	54.9	54.3	-0.6	55.8	55.2	-0.6	
State Park	Fairfield Lake State Park	4F_31_10_Fairfi	Texas	1460	31.775900	-96.066780	22.1	22.2	23.6	1.4	22.6	23.9	1.3	
State Park	Fairfield Lake State Park	Sec26153	Texas	1460	31.768401	-96.081402	22.9	23.0	24.0	1.0	23.4	24.3	0.9	
State Park	Fairfield Lake State Park	Sec26154	Texas	1460	31.784888	-96.080957	22.3	22.5	23.8	1.3	22.9	24.1	1.2	
Local Park	FairOaksPark	4f_681_FairOaks	Texas	327.9	32.886560	-96.751180	45.4	45.5	44.6	-0.9	46.1	46.1	0.0	
Local Park	FairviewPark	4f_683_Fairview	Texas	71.4	33.653790	-96.627530	38.4	38.6	38.6	0.0	39.0	38.9	-0.1	
Local Park	FairviewPark	4f_684_Fairview	Texas	8	32.315190	-96.612660	30.2	30.3	28.8	-1.5	30.5	29.0	-1.5	
Local Park	FergusanRoadPark	4f_685_Fergusan	Texas	10.4	32.816420	-96.682050	47.6	47.8	47.3	-0.5	48.1	48.1	0.0	

Type of Resource	Location						2011	dB						
	Site Name	Gridpoint Location ID	State	Area (Acres)	Latitude	Longitude		N.A.	P.A.	Change	N.A.	P.A.	Change	
Local Park	FielderPark	4f_686_FielderP	Texas	6.1	32.725190	-97.133510	48.6	48.8	48.5	-0.3	49.1	48.8	-0.3	
Local Park	FinchPark	4f_687_FinchPar	Texas	28.9	33.191260	-96.618660	35.4	35.4	35.7	0.3	35.8	35.9	0.1	
Local Park	FiresidePark	4f_688_Fireside	Texas	41.5	32.700120	-96.672060	42.6	42.6	45.6	3.0	43.3	46.1	2.8	
Local Park	FishTrapPark	4f_689_FishTrap	Texas	10.6	33.237350	-97.045620	42.4	42.4	42.3	-0.1	42.6	42.5	-0.1	
Local Park	FlipperPark	4f_690_FlipperP	Texas	3	32.830900	-96.811690	54.3	54.7	54.1	-0.6	55.7	55.0	-0.7	
Local Park	FlorencePark	4f_691_Florence	Texas	13.6	32.828830	-96.638080	46.6	46.7	46.3	-0.4	47.1	46.4	-0.7	
Local Park	Flowing Wells Park	Pri36000	Texas	181.7	33.775992	-96.786381	37.0	37.1	36.9	-0.2	37.5	37.3	-0.2	
Local Park	FlowingWellsPark	4f_692_FlowingW	Texas	181.7	33.777520	-96.782400	36.9	36.9	36.8	-0.1	37.3	37.1	-0.2	
Local Park	ForestPark	4f_693_ForestPa	Texas	13.4	33.752590	-96.540110	36.6	36.8	36.7	-0.1	37.2	37.1	-0.1	
Local Park	ForestPark	4f_694_ForestPa	Texas	173.3	32.722240	-97.356070	46.2	46.2	46.7	0.5	45.8	46.4	0.6	
State Park	Fort Parker State Park	4F_32_11_FortPa	Texas	1458.8	31.596780	-96.545070	32.8	33.0	33.3	0.3	33.7	33.9	0.2	
State Park	Fort Parker State Park	Sec21726	Texas	1575.3	31.595272	-96.548542	32.8	33.1	33.3	0.2	33.7	33.9	0.2	
State Park	Fort Parker State Park	Sec21910	Texas	1575.3	31.594964	-96.529280	32.6	32.8	33.0	0.2	33.5	33.7	0.2	
National Natural Landmark	Fort Richardson	NNL_3_FortRi	Texas	380.8	33.207109	-98.163137	41.2	41.4	38.3	-3.1	41.6	38.5	-3.1	
	Fort Richardson State Park and State Historic Site	4F_21_12_FortRi	Texas	381.8	33.202260	-98.161950	40.9	41.1	38.5	-2.6	41.3	38.8	-2.5	
National Natural Landmark	Fort Worth Nature Center & Refuge	NNL_8_FortWo	Texas	3349	32.844830	-97.477200	47.6	47.8	48.0	0.2	48.1	48.3	0.2	
National Natural Landmark	Fort Worth Nature Center & Refuge	Pri18493	Texas	3349	32.860146	-97.497842	45.9	46.1	45.8	-0.3	46.3	46.1	-0.2	
National Natural Landmark	Fort Worth Nature Center & Refuge	Pri18494	Texas	3349	32.868391	-97.497748	46.0	46.2	45.7	-0.5	46.4	46.0	-0.4	
National Natural Landmark	Fort Worth Nature Center & Refuge	Pri18737	Texas	3349	32.851821	-97.488166	46.5	46.6	46.6	0.0	46.9	46.9	0.0	
National Natural Landmark	Fort Worth Nature Center & Refuge	Pri18738	Texas	3349	32.860067	-97.488072	46.5	46.6	46.4	-0.2	46.9	46.6	-0.3	
National Natural Landmark	Fort Worth Nature Center & Refuge	Pri18979	Texas	3349	32.827004	-97.478682	48.2	48.3	48.3	0.0	48.6	48.5	-0.1	
National Natural Landmark	Fort Worth Nature Center & Refuge	Pri18980	Texas	3349	32.835249	-97.478587	48.2	48.4	48.7	0.3	48.6	48.9	0.3	
National Natural Landmark	Fort Worth Nature Center & Refuge	Pri18981	Texas	3349	32.843495	-97.478492	47.6	47.7	48.0	0.3	48.0	48.3	0.3	
National Natural Landmark	Fort Worth Nature Center & Refuge	Pri18982	Texas	3349	32.851741	-97.478397	47.2	47.4	47.5	0.1	47.7	47.8	0.1	

Appendix F: Section 4(f) Resources

Type of Resource	Location						2011	dB					
	Site Name	Gridpoint Location ID	State	Area (Acres)	Latitude	Longitude		N.A.	P.A.	Change	N.A.	P.A.	Change
National Natural Landmark	Fort Worth Nature Center & Refuge	Pri19227	Texas	3349	32.851660	-97.468628	47.9	48.1	48.1	0.0	48.4	48.4	0.0
National Natural Landmark	Fort Worth Nature Center & Refuge	Pri19228	Texas	3349	32.859906	-97.468532	47.3	47.5	47.2	-0.3	47.7	47.5	-0.2
Local Park	FosterPark	4f_695_FosterPa	Texas	15	32.686400	-97.375860	42.6	42.4	44.3	1.9	42.3	44.3	2.0
Local Park	FoxboroPark	4f_696_FoxboroP	Texas	8.9	32.989040	-96.698420	44.0	44.0	44.4	0.4	44.0	44.4	0.4
Local Park	FreedomPark	4f_697_FreedomP	Texas	8.3	32.861760	-96.615500	46.8	46.7	45.4	-1.3	47.0	45.6	-1.4
Local Park	FreedomPark	4f_698_FreedomP	Texas	9.5	32.654330	-97.021670	46.1	46.3	46.3	0.0	46.7	46.7	0.0
Local Park	FretzPark	4f_699_FretzPar	Texas	30.5	32.948960	-96.781760	49.9	50.0	49.6	-0.4	48.8	48.2	-0.6
Local Park	FriscoPark	4f_700_FriscoPa	Texas	188.4	33.160250	-96.946140	43.5	43.6	43.3	-0.3	43.9	43.6	-0.3
Local Park	FritzPark	4f_701_FritzPar	Texas	64.8	32.797830	-96.941330	49.7	49.8	49.9	0.1	50.0	50.2	0.2
Local Park	FruitdalePark	4f_702_Fruitdal	Texas	4.5	32.709470	-96.759850	46.5	46.5	46.3	-0.2	47.1	46.7	-0.4
Local Park	GallowayPark	4f_703_Galloway	Texas	8.3	32.770540	-96.633640	45.7	45.8	46.2	0.4	46.3	46.9	0.6
Local Park	GarrettPark	4f_704_GarrettP	Texas	6.7	32.806880	-96.770870	51.4	51.6	50.8	-0.8	52.2	51.3	-0.9
Local Park	GatewoodPark	4f_705_Gatewood	Texas	52.9	32.853440	-96.614770	46.6	46.5	45.5	-1.0	46.7	45.6	-1.1
Local Park	GermanyPark	4f_706_GermanyP	Texas	4.3	32.843840	-96.813200	49.9	50.1	49.8	-0.3	50.9	50.5	-0.4
Local Park	GibbinsPark	4f_707_GibbinsP	Texas	6.7	32.767280	-97.118600	54.0	54.2	54.2	0.0	54.5	54.4	-0.1
Local Park	GillPark	4f_708_GillPark	Texas	9	32.742770	-96.293820	43.1	43.1	42.0	-1.1	43.6	42.4	-1.2
Local Park	GlencoePark	4f_709_GlencoeP	Texas	15.7	32.832630	-96.778210	48.1	48.2	47.7	-0.5	48.7	48.1	-0.6
Local Park	GlendalePark	4f_710_Glendale	Texas	81	32.682440	-96.799150	45.4	45.5	44.9	-0.6	46.0	45.3	-0.7
Local Park	GlenwoodPark	4f_711_Glenwood	Texas	29.5	32.734160	-97.305600	46.9	46.8	47.0	0.2	46.8	47.0	0.2
Local Park	GloverPark	4f_712_GloverPa	Texas	9.2	32.764390	-96.707990	47.5	47.8	47.9	0.1	48.1	48.3	0.2
Local Park	GoodmanPark	4f_713_GoodmanP	Texas	4.2	32.729530	-97.421900	47.1	47.1	47.3	0.2	47.2	47.4	0.2
Local Park	GorePark	4f_714_GorePark	Texas	7.5	32.846160	-96.797430	47.8	47.9	47.5	-0.4	48.3	48.0	-0.3
Local Park	GrahamPark	4f_715_GrahamPa	Texas	22.1	33.153160	-96.117760	42.5	42.5	39.9	-2.6	42.9	40.3	-2.6
Local Park	Grapevine Recreation Area	Pri24398	Texas	7273.9	33.064173	-97.260486	46.0	46.0	46.5	0.5	46.3	46.7	0.4
Local Park	Grapevine Recreation Area	Pri24640	Texas	7273.9	33.039340	-97.251043	46.2	46.2	46.5	0.3	46.4	46.6	0.2
Local Park	Grapevine Recreation Area	Pri24641	Texas	7273.9	33.047585	-97.250927	46.2	46.2	46.5	0.3	46.4	46.7	0.3
Local Park	Grapevine Recreation Area	Pri24883	Texas	7273.9	33.022751	-97.241488	46.8	46.8	46.8	0.0	47.0	47.0	0.0
Local Park	Grapevine Recreation Area	Pri24885	Texas	7273.9	33.039241	-97.241254	46.5	46.6	46.8	0.2	46.9	47.0	0.1

Type of Resource	Location						2011	dB						
	Site Name	Gridpoint Location ID	State	Area (Acres)	Latitude	Longitude		N.A.	P.A.	Change	N.A.	P.A.	Change	
Local Park	Grapevine Recreation Area	Pri25129	Texas	7273.9	33.030897	-97.231582	47.0	47.1	47.2	0.1	47.3	47.4	0.1	
Local Park	Grapevine Recreation Area	Pri25374	Texas	7273.9	33.030797	-97.221794	47.8	47.9	48.0	0.1	48.2	48.2	0.0	
Local Park	Grapevine Recreation Area	Pri25375	Texas	7273.9	33.039042	-97.221675	48.0	48.2	48.4	0.2	48.5	48.7	0.2	
Local Park	Grapevine Recreation Area	Pri25619	Texas	7273.9	33.030696	-97.212005	48.6	48.8	48.9	0.1	49.1	49.1	0.0	
Local Park	Grapevine Recreation Area	Pri25620	Texas	7273.9	33.038941	-97.211885	48.0	48.2	48.3	0.1	48.5	48.6	0.1	
Local Park	Grapevine Recreation Area	Pri25621	Texas	7273.9	33.047187	-97.211765	46.8	46.9	47.2	0.3	47.2	47.4	0.2	
Local Park	Grapevine Recreation Area	Pri25864	Texas	7273.9	33.030595	-97.202217	48.5	48.7	48.8	0.1	49.0	49.0	0.0	
Local Park	Grapevine Recreation Area	Pri25865	Texas	7273.9	33.038840	-97.202096	47.2	47.3	47.5	0.2	47.6	47.8	0.2	
Local Park	Grapevine Recreation Area	Pri26108	Texas	7273.9	33.022247	-97.192550	49.1	49.3	49.2	-0.1	49.6	49.6	0.0	
Local Park	Grapevine Recreation Area	Pri26352	Texas	7273.9	33.013899	-97.182885	49.9	50.1	50.0	-0.1	50.4	50.3	-0.1	
Local Park	Grapevine Recreation Area	Pri26354	Texas	7273.9	33.030389	-97.182640	47.5	47.6	47.7	0.1	47.9	47.9	0.0	
Local Park	Grapevine Recreation Area	Pri26356	Texas	7273.9	33.046880	-97.182394	46.1	46.2	46.4	0.2	46.5	46.7	0.2	
Local Park	Grapevine Recreation Area	Pri26357	Texas	7273.9	33.055125	-97.182272	45.4	45.6	45.7	0.1	45.8	46.0	0.2	
Local Park	Grapevine Recreation Area	Pri26842	Texas	7273.9	33.013690	-97.163312	49.6	49.7	49.6	-0.1	50.0	49.8	-0.2	
Local Park	Grapevine Recreation Area	Pri26843	Texas	7273.9	33.021936	-97.163188	48.8	48.9	48.8	-0.1	49.1	49.1	0.0	
Local Park	Grapevine Recreation Area	Pri27084	Texas	7273.9	32.988849	-97.153902	49.4	49.6	49.6	0.0	50.0	49.9	-0.1	
Local Park	Grapevine Recreation Area	Pri27086	Texas	7273.9	33.005340	-97.153651	50.1	50.2	50.1	-0.1	50.4	50.3	-0.1	
Local Park	Grapevine Recreation Area	Pri27331	Texas	7273.9	33.005234	-97.143865	50.3	50.4	50.3	-0.1	50.6	50.5	-0.1	
Local Park	Grapevine Recreation Area	Pri27575	Texas	7273.9	32.996882	-97.134207	49.2	49.4	49.3	-0.1	49.6	49.6	0.0	
Local Park	Grapevine Recreation Area	Pri28311	Texas	7273.9	33.004802	-97.104723	52.1	52.3	52.2	-0.1	52.5	52.4	-0.1	
Local Park	GrapevineRecreationArea	4f_716_Grapevin	Texas	7273.9	33.023250	-97.177760	48.3	48.4	48.4	0.0	48.7	48.6	-0.1	
Local Park	GrauwylterPark	4f_717_Grauwyle	Texas	20.1	32.832030	-96.858400	53.7	54.1	54.2	0.1	55.5	55.6	0.1	
Local Park	GreenbriarPark	4f_719_Greenbri	Texas	29.1	32.670370	-97.337510	41.8	41.6	43.0	1.4	41.3	42.8	1.5	
Local Park	GreenBrookPark	4f_718_GreenBro	Texas	47.4	32.858110	-96.619900	46.8	46.8	45.5	-1.3	47.0	45.6	-1.4	
Local Park National Natural Landmark	GreenwayPark	4f_720_Greenway	Texas	63.6	32.769190	-97.313260	47.7	47.7	47.6	-0.1	47.7	47.7	0.0	
National Natural Landmark	Greenwood Canyon	NNL_9_Greenw	Texas	220	33.511520	-97.579400	27.3	27.4	28.1	0.7	27.9	29.7	1.8	
Local Park	GreinePark	4f_721_GreinePa	Texas	2.8	32.739520	-96.846200	48.0	48.2	48.2	0.0	48.5	48.4	-0.1	
Local Park	GriggsPark	4f_722_GriggsPa	Texas	8.5	32.797090	-96.794160	57.0	57.4	57.7	0.3	58.6	58.8	0.2	

Appendix F: Section 4(f) Resources

Type of Resource	Location						2011	dB						
	Site Name	Gridpoint Location ID	State	Area (Acres)	Latitude	Longitude		N.A.	P.A.	Change	N.A.	P.A.	Change	
Local Park	GrimesPark	4f_723_GrimesPa	Texas	48	32.620940	-96.846470	41.8	42.1	42.0	-0.1	43.0	42.7	-0.3	
Local Park	GrovesPark	4f_724_GrovesPa	Texas	25.5	32.926090	-96.677480	44.8	44.8	43.6	-1.2	45.1	43.8	-1.3	
Local Park	HaggardPark	4f_725_HaggardP	Texas	2.6	33.020360	-96.702300	43.7	43.6	43.7	0.1	43.9	44.1	0.2	
Local Park	HallmarkPark	4f_726_Hallmark	Texas	38.8	32.638170	-97.332430	40.9	40.7	41.7	1.0	40.5	41.7	1.2	
Local Park	HamCreekPark	4f_727_HamCreek	Texas	67.6	32.173720	-97.484770	24.8	24.5	26.6	2.1	24.5	26.8	2.3	
Local Park	HamiltonPark	4f_728_Hamilton	Texas	22.5	32.915540	-96.764440	45.6	45.7	44.7	-1.0	46.3	45.1	-1.2	
Local Park	HandleyPark	4f_729_HandleyP	Texas	35	32.739780	-97.222560	48.4	48.6	48.7	0.1	48.8	48.8	0.0	
Local Park	HarmonFieldPark	4f_730_HarmonFi	Texas	72	32.755590	-97.314230	47.4	47.4	47.1	-0.3	47.5	47.2	-0.3	
Local Park	HarringtonPark	4f_731_Harringt	Texas	14.3	33.023750	-96.712060	43.9	43.8	44.0	0.2	44.2	44.8	0.6	
Local Park	HarringtonPark	4f_732_Harringt	Texas	20.5	32.625410	-96.893710	40.9	41.1	41.6	0.5	41.7	42.2	0.5	
Local Park	HarryStonePark	4f_733_HarrySto	Texas	15.9	32.827000	-96.673120	47.8	47.9	47.0	-0.9	48.4	47.6	-0.8	
Local Park	HartwoodPark	4f_734_Hartwood	Texas	45.9	32.704670	-97.384350	43.8	43.6	45.3	1.7	43.6	45.3	1.7	
Local Park	HeardPark	4f_735_HeardPar	Texas	4.8	32.654690	-96.536930	34.8	34.8	39.1	4.3	35.1	39.9	4.8	
Local Park	HeightsPark	4f_736_HeightsP	Texas	33.6	32.960780	-96.745320	47.6	47.6	47.2	-0.4	47.0	46.5	-0.5	
Local Park	HelenWesslerPark	4f_737_HelenWes	Texas	14.5	32.727000	-97.070230	51.2	51.4	51.3	-0.1	51.7	51.6	-0.1	
Local Park	HeritagePark	4f_738_Heritage	Texas	3.3	33.018930	-96.730920	44.4	44.3	44.5	0.2	44.8	45.6	0.8	
Local Park	HerndonPark	4f_739_HerndonP	Texas	9.5	32.724360	-96.818760	47.3	47.5	47.2	-0.3	47.6	47.2	-0.4	
Local Park	Hickory Creek Park	Pri29548	Texas	485.9	33.103186	-97.054180	47.0	47.2	47.2	0.0	47.6	47.5	-0.1	
Local Park	Hickory Creek Park	Pri29793	Texas	485.9	33.103073	-97.044384	46.9	47.1	47.0	-0.1	47.4	47.2	-0.2	
Local Park	HickoryCreekPark	4f_740_HickoryC	Texas	485.9	33.110060	-97.046110	46.5	46.7	46.6	-0.1	47.0	46.8	-0.2	
Local Park	HighlandHillsPark	4f_742_Highland	Texas	28.8	32.661700	-97.300230	42.5	42.1	42.8	0.7	41.9	42.6	0.7	
Local Park	HighlandHillsPark	4f_743_Highland	Texas	21.4	32.659550	-96.754120	42.7	42.9	43.6	0.7	43.2	44.0	0.8	
Local Park	HighlandPark	4f_744_Highland	Texas	129.1	33.103180	-96.541830	38.5	38.1	40.3	2.2	38.4	40.8	2.4	
National Natural Landmark	HighlandPark Shopping Village	NNL_4_Highla	Texas	10	32.835738	-96.805609	50.6	50.9	50.4	-0.5	51.8	51.3	-0.5	
Local Park	HighportResortPark	4f_745_Highport	Texas	171.8	33.829040	-96.703610	35.4	35.5	35.4	-0.1	35.9	35.7	-0.2	
Local Park	HighViewPark	4f_741_HighView	Texas	159.9	32.268100	-96.665440	25.7	25.7	26.2	0.5	26.1	26.6	0.5	
Local Park	HillcrestPark	4f_746_Hillcres	Texas	23.1	32.777210	-96.615520	45.8	45.9	45.9	0.0	46.4	46.4	0.0	
Local Park	HillsidePark	4f_747_Hillside	Texas	8.9	33.099590	-96.647690	39.3	38.6	41.3	2.7	39.1	41.8	2.7	

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	Site Name	Gridpoint Location ID	State	Area (Acres)	Latitude	Longitude		N.A.	P.A.	Change	N.A.	P.A.	Change	
Local Park	HillsidePark	4f_748_Hillside	Texas	19.6	32.728470	-97.312240	46.5	46.4	46.8	0.4	46.4	46.8	0.4	
Local Park	HillviewPark	4f_749_Hillview	Texas	16.4	32.810560	-96.675710	47.3	47.4	47.2	-0.2	47.8	47.9	0.1	
Local Park	HodgePark	4f_750_HodgePar	Texas	18.5	32.745750	-96.599630	44.5	44.5	45.1	0.6	45.0	45.8	0.8	
Local Park	HolcombPark	4f_751_HolcombP	Texas	12.3	32.730280	-96.671740	44.4	44.4	45.5	1.1	44.8	46.0	1.2	
Local Park	HolfordPark	4f_752_HolfordP	Texas	32.2	32.937610	-96.662620	44.7	44.7	44.0	-0.7	45.0	44.3	-0.7	
Local Park	Holiday Park	Pri18709	Texas	678.5	32.620937	-97.490793	34.1	34.1	36.6	2.5	34.2	36.9	2.7	
Local Park	Holiday Park	Pri19201	Texas	678.5	32.637269	-97.471115	37.2	37.2	38.9	1.7	37.3	39.2	1.9	
Local Park	HolidayPark	4f_753_HolidayP	Texas	678.5	32.645400	-97.475330	37.7	37.8	40.0	2.2	37.9	40.3	2.4	
Local Park	HorseshoePark	4f_754_Horsesho	Texas	9.4	33.050940	-96.743270	44.4	44.1	44.5	0.4	44.6	44.8	0.2	
Local Park	HuffhinesPark	4f_755_Huffhine	Texas	50.3	32.950260	-96.697650	44.9	45.0	44.5	-0.5	45.1	44.6	-0.5	
Local Park	HulenCityPark	4f_756_HulenCit	Texas	27.8	32.338390	-97.387370	30.9	30.3	32.0	1.7	30.3	32.3	2.0	
Local Park	JamestownPark	4f_757_Jamestow	Texas	20.9	32.919450	-96.808690	47.9	47.9	47.9	0.0	48.1	49.0	0.9	
Local Park	JaunitaCraftPark	4f_758_JaunitaC	Texas	20.9	32.772980	-96.740840	50.7	50.9	51.2	0.3	51.1	51.9	0.8	
Local Park	JayceePark	4f_759_JayceePa	Texas	16.5	32.780110	-96.907460	51.3	51.4	51.4	0.0	51.7	51.7	0.0	
Local Park	JayceePark	4f_760_JayceePa	Texas	4.5	32.835970	-96.972290	47.0	46.8	46.6	-0.2	47.0	46.7	-0.3	
Local Park	JayceePark	4f_761_JayceePa	Texas	30.7	32.341640	-96.646510	30.0	30.1	28.4	-1.7	30.3	28.6	-1.7	
Local Park	JayceesPark	4f_762_JayceesP	Texas	3.3	32.816620	-97.203520	47.4	47.5	47.5	0.0	47.7	47.7	0.0	
Local Park	JesterPark	4f_763_JesterPa	Texas	17	32.096020	-96.474970	24.0	24.0	24.4	0.4	24.3	24.7	0.4	
Local Park	JohnTAudobonPark	4f_764_JohnTAud	Texas	61.6	32.847840	-96.613880	46.4	46.3	45.6	-0.7	46.6	45.8	-0.8	
Local Park	JonesPark	4f_765_JonesPar	Texas	22.7	33.152060	-96.110480	42.6	42.5	39.9	-2.6	42.9	40.3	-2.6	
Local Park	Juniper Point Park	Pri34785	Texas	146.4	33.859086	-96.834171	37.6	37.6	37.7	0.1	38.0	38.1	0.1	
Local Park	JuniperCovePark	4f_766_JuniperC	Texas	106.4	31.979700	-97.370450	30.7	30.2	31.7	1.5	29.8	31.5	1.7	
Local Park	JuniperPointPark	4f_767_JuniperP	Texas	146.4	33.858880	-96.832900	37.7	37.7	37.7	0.0	38.1	38.1	0.0	
Local Park	JupiterPark	4f_768_JupiterP	Texas	5.9	33.094460	-96.662460	39.9	39.2	41.7	2.5	39.6	42.1	2.5	
Local Park	JustinPark	4f_769_JustinPa	Texas	3.1	33.089850	-97.303390	46.1	45.3	45.7	0.4	45.0	45.5	0.5	
Local Park	KachinePrairiePark	4f_770_KachineP	Texas	25.4	32.331890	-96.655840	29.8	29.8	29.1	-0.7	30.0	29.3	-0.7	
Local Park	KellisPark	4f_771_KellisPa	Texas	15.3	32.680810	-97.370220	42.4	42.2	44.0	1.8	42.0	43.9	1.9	
Local Park	KellyPark	4f_772_KellyPar	Texas	100.9	32.764800	-97.378370	46.2	46.2	46.1	-0.1	46.4	46.3	-0.1	

Appendix F: Section 4(f) Resources

Type of Resource	Location						2011	dB						
	Site Name	Gridpoint Location ID	State	Area (Acres)	Latitude	Longitude		N.A.	P.A.	Change	N.A.	P.A.	Change	
Local Park	KidSpringsPark	4f_773_KidSprin	Texas	25.3	32.753590	-96.834920	49.5	49.7	49.5	-0.2	50.1	49.8	-0.3	
Local Park	KiestPark	4f_774_KiestPar	Texas	179.9	32.710030	-96.852730	45.8	46.0	45.5	-0.5	46.4	45.8	-0.6	
Local Park	KimballBendPark	4f_775_KimballB	Texas	61.4	32.121500	-97.495210	24.2	24.0	25.8	1.8	24.0	25.9	1.9	
Local Park	KingsleyPark	4f_776_Kingsley	Texas	12.6	32.880650	-96.654580	46.6	46.6	45.1	-1.5	46.9	45.6	-1.3	
Local Park	KiowaPark	4f_777_KiowaPar	Texas	5.9	32.961900	-96.795060	49.3	49.4	49.1	-0.3	49.2	48.8	-0.4	
Local Park	KirbyCreekPark	4f_778_KirbyCre	Texas	37.8	32.691550	-97.006790	47.9	48.0	47.8	-0.2	48.5	48.2	-0.3	
Local Park	KiwanisPark	4f_779_KiwanisP	Texas	37.3	32.339890	-96.642560	30.0	30.1	28.3	-1.8	30.3	28.5	-1.8	
Local Park	LagowPark	4f_780_LagowPar	Texas	3.2	32.763930	-96.749770	51.4	51.7	53.0	1.3	52.1	53.1	1.0	
State Park	Lake Arrowhead State Park	4F_7_13_LakeAr	Texas	2395.1	33.757860	-98.390810	24.6	25.0	26.8	1.8	25.5	27.8	2.3	
State Park	Lake Arrowhead State Park	Sec4192	Texas	540.4	33.754642	-98.395681	24.8	25.1	26.9	1.8	25.6	27.9	2.3	
Local Park	Lake Halbert Park	Pri45839	Texas	144.3	32.071535	-96.421918	24.3	24.3	24.2	-0.1	24.6	24.6	0.0	
State Park	Lake Mineral Wells State Park	Pri5012	Texas	2824	32.813836	-98.035470	39.0	39.1	40.8	1.7	39.3	41.0	1.7	
State Park	Lake Mineral Wells State Park	Pri5013	Texas	2824	32.822082	-98.035427	39.0	39.1	40.9	1.8	39.4	41.3	1.9	
State Park	Lake Mineral Wells State Park	Pri5014	Texas	2824	32.830328	-98.035384	39.2	39.3	41.2	1.9	39.6	41.5	1.9	
State Park	Lake Mineral Wells State Park	Pri5015	Texas	2824	32.838574	-98.035340	39.6	39.6	41.3	1.7	39.9	41.6	1.7	
State Park	Lake Mineral Wells State Park	Pri5258	Texas	2824	32.822045	-98.025661	39.1	39.1	41.2	2.1	39.4	41.4	2.0	
State Park	Lake Mineral Wells State Park	Pri5261	Texas	2824	32.846783	-98.025528	40.0	40.0	41.4	1.4	40.4	41.7	1.3	
State Park	Lake Mineral Wells State Park	Pri5262	Texas	2824	32.855029	-98.025484	40.3	40.4	41.2	0.8	40.7	41.6	0.9	
State Park	Lake Mineral Wells State Park	Pri5263	Texas	2824	32.863275	-98.025440	40.6	40.7	40.9	0.2	41.0	41.2	0.2	
State Park	Lake Mineral Wells State Park	Pri5264	Texas	2824	32.871521	-98.025396	40.8	40.8	40.6	-0.2	41.2	40.9	-0.3	
State Park	Lake Mineral Wells State Park	Pri5265	Texas	2824	32.879767	-98.025352	40.9	40.9	40.3	-0.6	41.3	40.6	-0.7	
State Park	Lake Mineral Wells State Park	Pri5508	Texas	2824	32.863238	-98.015669	40.7	40.8	40.9	0.1	41.1	41.2	0.1	
State Park	Lake Mineral Wells State Park	Pri5509	Texas	2824	32.871484	-98.015624	40.9	40.9	40.5	-0.4	41.3	40.9	-0.4	
State Park	Lake Mineral Wells State Park	Pri5510	Texas	2824	32.879730	-98.015579	40.9	40.9	40.3	-0.6	41.3	40.6	-0.7	

Type of Resource	Location						2011	dB						
	Site Name	Gridpoint Location ID	State	Area (Acres)	Latitude	Longitude		N.A.	P.A.	Change	N.A.	P.A.	Change	
State Park	Lake Murray State Park	4F_1_16_LakeMu	Oklahoma	18250.1	34.082470	-97.076140	34.9	35.0	35.1	0.1	35.1	35.2	0.1	
State Park	Lake Murray State Park	Sec16172	Oklahoma	18250.1	34.076758	-97.107430	34.7	34.7	34.9	0.2	34.9	35.0	0.1	
State Park	Lake Murray State Park	Sec16173	Oklahoma	18250.1	34.093243	-97.107168	34.5	34.5	34.7	0.2	34.6	34.8	0.2	
State Park	Lake Murray State Park	Sec16174	Oklahoma	18250.1	34.109728	-97.106905	34.3	34.3	34.5	0.2	34.5	34.6	0.1	
State Park	Lake Murray State Park	Sec16175	Oklahoma	18250.1	34.126213	-97.106642	34.1	34.1	34.3	0.2	34.3	34.4	0.1	
State Park	Lake Murray State Park	Sec16354	Oklahoma	18250.1	34.043568	-97.088152	35.3	35.3	35.4	0.1	35.4	35.5	0.1	
State Park	Lake Murray State Park	Sec16355	Oklahoma	18250.1	34.060053	-97.087886	35.0	35.0	35.2	0.2	35.2	35.3	0.1	
State Park	Lake Murray State Park	Sec16356	Oklahoma	18250.1	34.076538	-97.087620	34.8	34.8	35.0	0.2	34.9	35.1	0.2	
State Park	Lake Murray State Park	Sec16357	Oklahoma	18250.1	34.093023	-97.087353	34.5	34.5	34.7	0.2	34.7	34.8	0.1	
State Park	Lake Murray State Park	Sec16358	Oklahoma	18250.1	34.109508	-97.087087	34.3	34.3	34.5	0.2	34.5	34.6	0.1	
State Park	Lake Murray State Park	Sec16537	Oklahoma	18250.1	34.026860	-97.068619	36.0	36.0	36.2	0.2	36.2	36.3	0.1	
State Park	Lake Murray State Park	Sec16538	Oklahoma	18250.1	34.043345	-97.068349	35.8	35.8	35.9	0.1	35.9	36.1	0.2	
State Park	Lake Murray State Park	Sec16539	Oklahoma	18250.1	34.059830	-97.068079	35.5	35.5	35.6	0.1	35.7	35.8	0.1	
State Park	Lake Murray State Park	Sec16540	Oklahoma	18250.1	34.076315	-97.067809	35.3	35.3	35.4	0.1	35.5	35.6	0.1	
State Park	Lake Murray State Park	Sec16541	Oklahoma	18250.1	34.092800	-97.067539	35.0	35.1	35.2	0.1	35.2	35.4	0.2	
State Park	Lake Murray State Park	Sec16542	Oklahoma	18250.1	34.109285	-97.067268	34.8	34.8	35.0	0.2	35.0	35.2	0.2	
State Park	Lake Murray State Park	Sec16721	Oklahoma	18250.1	34.026633	-97.048819	36.7	36.7	36.9	0.2	36.9	37.0	0.1	
State Park	Lake Murray State Park	Sec16722	Oklahoma	18250.1	34.043119	-97.048545	36.4	36.5	36.6	0.1	36.6	36.8	0.2	
State Park	Lake Murray State Park	Sec16723	Oklahoma	18250.1	34.059604	-97.048272	36.2	36.3	36.4	0.1	36.4	36.6	0.2	
State Park	Lake Murray State Park	Sec16725	Oklahoma	18250.1	34.092574	-97.047724	35.8	35.8	35.9	0.1	36.0	36.1	0.1	
State Park	Lake Murray State Park	Sec16726	Oklahoma	18250.1	34.109058	-97.047450	35.5	35.6	35.8	0.2	35.8	35.9	0.1	
State Park	Lake Tawakoni State Park Lake Texoma State Resort Park	Pri56224	Texas	436.6	32.847184	-95.993343	41.6	41.7	42.6	0.9	42.0	42.8	0.8	
State Park	Lake Texoma State Resort Park	4F_0_18_LakeTe	Oklahoma	2271.5	33.989620	-96.636490	34.0	34.1	33.9	-0.2	34.4	34.2	-0.2	
State Park	Park	Sec20583	Oklahoma	2271.5	33.988197	-96.633759	34.0	34.1	33.9	-0.2	34.5	34.3	-0.2	
Local Park	Lake View Park	Pri28063	Texas	281.3	32.980175	-97.114896	46.4	46.5	46.5	0.0	46.8	46.7	-0.1	
State Park	Lake Whitney State Park	Sec13833	Texas	941.4	31.918961	-97.373012	30.9	30.5	32.1	1.6	30.2	32.0	1.8	
State Park	Lake Whitney State Park	Sec14017	Texas	941.4	31.918782	-97.353678	32.1	31.6	32.6	1.0	31.4	32.5	1.1	
Local Park	LakeClarkPark	4f_781_LakeClar	Texas	31.9	32.322540	-96.658470	28.7	28.8	29.1	0.3	29.0	29.3	0.3	

Appendix F: Section 4(f) Resources

Type of Resource	Location						2011	dB						
	Site Name	Gridpoint Location ID	State	Area (Acres)	Latitude	Longitude		N.A.	P.A.	Change	N.A.	P.A.	Change	
Local Park	LakeCliffPark	4f_782_LakeClif	Texas	51.8	32.757030	-96.818780	49.7	49.9	49.8	-0.1	50.4	50.2	-0.2	
Local Park	LakeComoPark	4f_783_LakeComo	Texas	119.2	32.726280	-97.397890	45.7	45.6	46.1	0.5	45.4	46.0	0.6	
Local Park	LakeHalbertPark	4f_784_LakeHalb	Texas	144.3	32.068600	-96.421530	24.2	24.3	24.1	-0.2	24.6	24.6	0.0	
Local Park	LakelandHillPark	4f_786_Lakeland	Texas	12.3	32.803630	-96.696230	47.8	47.9	47.6	-0.3	48.3	48.3	0.0	
Local Park State	LakelandPark	4f_787_Lakeland	Texas	136.2	33.102800	-96.440150	39.0	38.7	39.8	1.1	39.1	40.1	1.0	
Recreational Area	LakeLewisville State Recreation Area	4F_33_14_LakeLe	Texas	697.3	33.129260	-96.942880	43.4	43.6	43.3	-0.3	43.8	43.5	-0.3	
State Park	LakeMineral Wells State Park	4F_23_15_LakeMi	Texas	2824	32.845920	-98.028830	39.9	40.0	41.4	1.4	40.3	41.7	1.4	
Local Park	LakesidePark	4f_788_Lakeside	Texas	16.7	32.762070	-96.600900	45.5	45.6	45.7	0.1	46.2	46.1	-0.1	
Local Park	LakesidePark	4f_789_Lakeside	Texas	54.9	32.655300	-96.918820	43.1	43.3	42.6	-0.7	43.8	42.9	-0.9	
State Park	LakeTawakoni State Park	4F_22_17_LakeTa	Texas	436.6	32.844750	-95.998980	41.5	41.5	42.6	1.1	41.9	42.9	1.0	
Local Park	LakeViewPark	4f_785_LakeView	Texas	281.3	32.976830	-97.108470	46.4	46.5	46.5	0.0	46.8	46.7	-0.1	
State Park	LakeWhitney State Park	4F_29_19_LakeWh	Texas	941.4	31.924980	-97.362840	31.5	31.0	32.3	1.3	30.8	32.1	1.3	
Local Park	Lavonia Park	Pri44731	Texas	161.6	33.036963	-96.448202	42.9	42.9	42.2	-0.7	43.2	42.5	-0.7	
Local Park	LavoniaPark	4f_790_LavoniaP	Texas	161.6	33.040430	-96.445270	42.8	42.8	42.1	-0.7	43.1	42.4	-0.7	
Local Park	LawnviewPark	4f_792_Lawnview	Texas	59.2	32.767200	-96.724520	48.8	49.0	49.3	0.3	49.3	49.8	0.5	
Local Park	LawPark	4f_791_LawPark	Texas	10.9	32.732930	-96.618580	43.5	43.4	44.6	1.2	43.7	45.2	1.5	
Local Park	LBJPark	4f_793_LBJPark	Texas	8.5	32.700600	-97.009030	48.6	48.8	48.6	-0.2	49.2	49.0	-0.2	
Local Park	Leonard Park	Pri26916	Texas	82.7	33.623804	-97.154033	38.7	38.6	38.6	0.0	38.6	38.7	0.1	
Local Park	LeonardPark	4f_794_LeonardP	Texas	82.7	33.621960	-97.153750	38.7	38.6	38.6	0.0	38.6	38.7	0.1	
Local Park	Lewisville Lake Park	Pri30769	Texas	684.2	33.069629	-97.005756	49.6	49.7	49.6	-0.1	50.1	50.0	-0.1	
Local Park	Lewisville Lake Park	Pri31014	Texas	684.2	33.069512	-96.995963	49.1	49.2	49.1	-0.1	49.6	49.4	-0.2	
Local Park	LewisvilleLakePark	4f_795_Lewisvil	Texas	684.2	33.077080	-97.008720	49.2	49.3	49.2	-0.1	49.6	49.5	-0.1	
Local Park	Liberty Hill Park	Pri38473	Texas	331.1	31.944170	-96.715037	34.1	34.3	34.4	0.1	34.9	34.9	0.0	
Local Park	LibertyHillPark	4f_796.LibertyH	Texas	331.1	31.946310	-96.704360	34.4	34.6	34.7	0.1	35.2	35.2	0.0	
Local Park	LibraryFieldsPark	4f_797_LibraryF	Texas	6.6	33.025350	-96.691860	43.5	43.3	43.6	0.3	43.6	44.1	0.5	
Local Park	LimestonePark	4f_798_Limeston	Texas	7.7	32.670320	-96.895030	44.0	44.2	43.2	-1.0	44.6	43.5	-1.1	
Local Park	LindaPark	4f_799_LindaPar	Texas	8.9	32.820780	-96.698650	48.1	48.3	47.5	-0.8	48.6	48.6	0.0	

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	Site Name	Gridpoint Location ID	State	Area (Acres)	Latitude	Longitude		N.A.	P.A.	Change	N.A.	P.A.	Change	
Local Park	LindseyPark	4f_800_LindseyP	Texas	10.6	33.638660	-97.220670	38.4	38.4	38.4	0.0	38.5	38.5	0.0	
Local Park	LindsleyPark	4f_801_Lindsley	Texas	10.3	32.809000	-96.738280	49.1	49.3	48.5	-0.8	49.6	48.7	-0.9	
Local Park	LionsClubPark	4f_802_LionsClu	Texas	26.4	32.830050	-98.115260	38.8	38.9	39.7	0.8	39.2	40.0	0.8	
Local Park	LionsClubPark	4f_803_LionsClu	Texas	63.8	32.586800	-96.759290	38.4	38.6	39.8	1.2	38.9	40.6	1.7	
Local Park	LittleMustangCreekPark	4f_804_LittleMu	Texas	193.1	32.303480	-96.666070	26.6	26.5	27.8	1.3	26.9	28.1	1.2	
Local Park	LittleRidgePark	4f_805_LittleRi	Texas	77.6	33.061250	-96.456070	41.7	41.5	40.8	-0.7	41.8	41.1	-0.7	
Local Park	LivelyPark	4f_806_LivelyPa	Texas	19.8	32.823420	-96.952510	46.5	46.3	46.2	-0.1	46.6	46.4	-0.2	
Local Park	Longhorn Park	Pri19936	Texas	206.4	32.637023	-97.441879	38.8	38.8	40.1	1.3	38.9	40.4	1.5	
Local Park	LonghornPark	4f_807_Longhorn	Texas	28.4	33.059060	-96.707640	43.2	42.7	43.7	1.0	43.1	44.2	1.1	
Local Park	LonghornPark	4f_808_Longhorn	Texas	206.4	32.639770	-97.441070	39.2	39.2	40.5	1.3	39.4	40.8	1.4	
Local Park	LookoutPark	4f_809_LookoutP	Texas	21.8	32.984040	-96.693290	44.0	44.0	44.4	0.4	43.9	44.5	0.6	
Local Park	LouDuffPark	4f_810_LouDuffP	Texas	30.2	32.911490	-96.624590	45.9	45.9	44.7	-1.2	46.2	45.2	-1.0	
Local Park	LowerLovePark	4f_811_LowerLov	Texas	172.9	32.267630	-96.643010	24.8	24.8	25.6	0.8	25.1	25.9	0.8	
Local Park	LoyLakePark	4f_812_LoyLakeP	Texas	188.1	33.733140	-96.592640	39.7	39.9	39.9	0.0	40.3	40.3	0.0	
Local Park	LTVPark	4f_813_LTVPark	Texas	77.6	32.785050	-97.025790	56.9	57.0	57.0	0.0	57.3	57.4	0.1	
National Grassland	Lyndon B. Johnson National Grassland	Pri11449	Texas	116.3	33.365087	-97.777075	29.1	29.1	29.0	-0.1	29.5	29.4	-0.1	
National Grassland	National Grassland	Pri11450	Texas	116.3	33.373333	-97.777008	29.2	29.3	29.2	-0.1	29.7	29.6	-0.1	
National Grassland	National Grassland	Pri11690	Texas	116.3	33.332049	-97.767523	29.3	29.3	29.0	-0.3	29.7	29.4	-0.3	
National Grassland	National Grassland	Pri13168	Texas	116.3	33.397652	-97.707997	34.2	34.3	35.6	1.3	34.8	36.0	1.2	
National Grassland	National Grassland	Pri13171	Texas	116.3	33.422387	-97.707774	35.6	35.7	36.4	0.7	36.2	36.9	0.7	
National Grassland	National Grassland	Pri13661	Texas	116.3	33.422261	-97.688109	36.1	36.3	36.4	0.1	36.8	36.9	0.1	
National Grassland	National Grassland	Pri13662	Texas	116.3	33.430506	-97.688033	35.8	35.9	35.7	-0.2	36.5	36.2	-0.3	
National Grassland	National Grassland	Pri13900	Texas	116.3	33.372727	-97.678738	33.9	34.1	34.5	0.4	34.6	35.0	0.4	
National Grassland	National Grassland	Pri13902	Texas	116.3	33.389217	-97.678584	35.6	35.9	36.7	0.8	36.3	37.2	0.9	
National Grassland	National Grassland	Pri13903	Texas	116.3	33.397462	-97.678507	36.3	36.4	37.3	0.9	36.9	37.7	0.8	

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Type of Resource	Location						2011	dB						
	Site Name	Gridpoint Location ID	State	Area (Acres)	Latitude	Longitude		N.A.	P.A.	Change	N.A.	P.A.	Change	
National Grassland	Lyndon B. Johnson National Grassland	Pri13907	Texas	116.3	33.430442	-97.678200	35.6	35.7	35.3	-0.4	36.3	35.8	-0.5	
National Grassland	Lyndon B. Johnson National Grassland	Pri14152	Texas	116.3	33.430377	-97.668367	35.1	35.2	34.7	-0.5	35.8	35.2	-0.6	
National Grassland	Lyndon B. Johnson National Grassland	Pri14387	Texas	116.3	33.347861	-97.659320	32.7	32.8	32.7	-0.1	33.3	33.0	-0.3	
National Grassland	Lyndon B. Johnson National Grassland	Pri14388	Texas	116.3	33.356106	-97.659242	33.7	33.9	33.9	0.0	34.4	34.3	-0.1	
National Grassland	Lyndon B. Johnson National Grassland	Pri14389	Texas	116.3	33.364351	-97.659163	34.7	34.9	35.3	0.4	35.4	35.7	0.3	
National Grassland	Lyndon B. Johnson National Grassland	Pri14392	Texas	116.3	33.389086	-97.658927	37.0	37.2	38.0	0.8	37.7	38.5	0.8	
National Grassland	Lyndon B. Johnson National Grassland	Pri14395	Texas	116.3	33.413822	-97.658691	36.3	36.4	36.4	0.0	37.0	36.9	-0.1	
National Grassland	Lyndon B. Johnson National Grassland	Pri14628	Texas	116.3	33.314814	-97.649814	30.1	30.0	29.7	-0.3	30.5	30.1	-0.4	
National Grassland	Lyndon B. Johnson National Grassland	Pri14629	Texas	116.3	33.323059	-97.649735	30.7	30.7	30.5	-0.2	31.2	30.8	-0.4	
National Grassland	Lyndon B. Johnson National Grassland	Pri14638	Texas	116.3	33.397265	-97.649019	37.2	37.3	37.9	0.6	37.9	38.4	0.5	
National Grassland	Lyndon B. Johnson National Grassland	Pri14639	Texas	116.3	33.405510	-97.648939	36.6	36.8	37.0	0.2	37.4	37.5	0.1	
National Grassland	Lyndon B. Johnson National Grassland	Pri14873	Texas	116.3	33.314746	-97.639994	30.8	30.7	30.4	-0.3	31.2	30.7	-0.5	
National Grassland	Lyndon B. Johnson National Grassland	Pri14874	Texas	116.3	33.322992	-97.639913	31.6	31.6	31.3	-0.3	32.1	31.6	-0.5	
National Grassland	Lyndon B. Johnson National Grassland	Pri14875	Texas	116.3	33.331237	-97.639833	32.6	32.7	32.3	-0.4	33.2	32.7	-0.5	
National Grassland	Lyndon B. Johnson National Grassland	Pri14876	Texas	116.3	33.339482	-97.639752	33.6	33.8	33.5	-0.3	34.3	33.8	-0.5	
National Grassland	Lyndon B. Johnson National Grassland	Pri14881	Texas	116.3	33.380708	-97.639350	37.7	37.9	38.8	0.9	38.4	39.2	0.8	
National Grassland	Lyndon B. Johnson National Grassland	Pri14882	Texas	116.3	33.388953	-97.639269	37.5	37.8	38.4	0.6	38.2	38.9	0.7	
National Grassland	Lyndon B. Johnson National Grassland	Pri14883	Texas	116.3	33.397198	-97.639189	37.0	37.2	37.7	0.5	37.7	38.2	0.5	
National Grassland	Lyndon B. Johnson National Grassland	Pri14884	Texas	116.3	33.405443	-97.639108	36.2	36.4	36.5	0.1	36.9	37.1	0.2	
National Grassland	Lyndon B. Johnson National Grassland	Pri14885	Texas	116.3	33.413688	-97.639028	35.2	35.3	35.2	-0.1	35.9	35.7	-0.2	
National Grassland	Lyndon B. Johnson National Grassland	Pri15118	Texas	116.3	33.314679	-97.630173	31.6	31.6	31.2	-0.4	32.1	31.6	-0.5	

Type of Resource	Location						2011	dB						
	Site Name	Gridpoint Location ID	State	Area (Acres)	Latitude	Longitude		N.A.	P.A.	Change	N.A.	P.A.	Change	
National Grassland	Lyndon B. Johnson National Grassland	Pri15119	Texas	116.3	33.322924	-97.630092	32.5	32.6	32.2	-0.4	33.1	32.6	-0.5	
National Grassland	Lyndon B. Johnson National Grassland	Pri15120	Texas	116.3	33.331169	-97.630011	33.6	33.7	33.3	-0.4	34.2	33.7	-0.5	
National Grassland	Lyndon B. Johnson National Grassland	Pri15121	Texas	116.3	33.339414	-97.629929	34.8	34.9	34.6	-0.3	35.4	35.0	-0.4	
National Grassland	Lyndon B. Johnson National Grassland	Pri15123	Texas	116.3	33.355904	-97.629766	36.8	37.0	37.4	0.4	37.5	37.8	0.3	
National Grassland	Lyndon B. Johnson National Grassland	Pri15127	Texas	116.3	33.388885	-97.629441	37.4	37.5	38.1	0.6	38.1	38.5	0.4	
National Grassland	Lyndon B. Johnson National Grassland	Pri15129	Texas	116.3	33.405375	-97.629278	35.5	35.6	35.7	0.1	36.2	36.3	0.1	
National Grassland	Lyndon B. Johnson National Grassland	Pri15130	Texas	116.3	33.413620	-97.629196	34.4	34.5	34.4	-0.1	35.1	34.9	-0.2	
National Grassland	Lyndon B. Johnson National Grassland	Pri15361	Texas	116.3	33.298120	-97.620517	30.8	30.8	30.4	-0.4	31.3	30.8	-0.5	
National Grassland	Lyndon B. Johnson National Grassland	Pri15371	Texas	116.3	33.380571	-97.619694	37.7	37.9	38.4	0.5	38.4	38.9	0.5	
National Grassland	Lyndon B. Johnson National Grassland	Pri15605	Texas	116.3	33.289805	-97.610782	30.9	30.8	30.5	-0.3	31.3	30.9	-0.4	
National Grassland	Lyndon B. Johnson National Grassland	Pri15606	Texas	116.3	33.298050	-97.610699	31.7	31.7	31.2	-0.5	32.1	31.6	-0.5	
National Grassland	Lyndon B. Johnson National Grassland	Pri15612	Texas	116.3	33.347521	-97.610200	37.7	37.9	38.3	0.4	38.5	38.7	0.2	
National Grassland	Lyndon B. Johnson National Grassland	Pri15616	Texas	116.3	33.380502	-97.609867	37.2	37.4	37.7	0.3	38.0	38.3	0.3	
National Grassland	Lyndon B. Johnson National Grassland	Pri15617	Texas	116.3	33.388747	-97.609783	36.1	36.3	36.4	0.1	36.9	37.0	0.1	
National Grassland	Lyndon B. Johnson National Grassland	Pri15619	Texas	116.3	33.405237	-97.609617	33.7	33.8	33.6	-0.2	34.4	34.2	-0.2	
National Grassland	Lyndon B. Johnson National Grassland	Pri15856	Texas	116.3	33.339206	-97.600460	37.7	38.0	38.2	0.2	38.5	38.6	0.1	
National Grassland	Lyndon B. Johnson National Grassland	Pri15858	Texas	116.3	33.355696	-97.600291	38.6	38.8	39.3	0.5	39.3	39.8	0.5	
National Grassland	Lyndon B. Johnson National Grassland	Pri15859	Texas	116.3	33.363941	-97.600207	38.4	38.5	39.1	0.6	39.1	39.6	0.5	
National Grassland	Lyndon B. Johnson National Grassland	Pri15860	Texas	116.3	33.372186	-97.600123	37.5	37.8	38.1	0.3	38.3	38.6	0.3	
National Grassland	Lyndon B. Johnson National Grassland	Pri15862	Texas	116.3	33.388676	-97.599955	35.3	35.4	35.4	0.0	36.0	35.9	-0.1	
National Grassland	Lyndon B. Johnson National Grassland	Pri15863	Texas	116.3	33.396921	-97.599871	34.0	34.1	33.9	-0.2	34.7	34.5	-0.2	

Appendix F: Section 4(f) Resources

Type of Resource	Location						2011	dB						
	Site Name	Gridpoint Location ID	State	Area (Acres)	Latitude	Longitude		N.A.	P.A.	Change	N.A.	P.A.	Change	
National Grassland	Lyndon B. Johnson National Grassland	Pri15864	Texas	116.3	33.405166	-97.599786	32.8	32.9	32.6	-0.3	33.5	33.2	-0.3	
National Grassland	Lyndon B. Johnson National Grassland	Pri15865	Texas	116.3	33.413411	-97.599702	31.7	31.8	31.4	-0.4	32.4	32.0	-0.4	
National Grassland	Lyndon B. Johnson National Grassland	Pri16100	Texas	116.3	33.330890	-97.590722	37.8	38.0	38.1	0.1	38.6	38.6	0.0	
National Grassland	Lyndon B. Johnson National Grassland	Pri16101	Texas	116.3	33.339135	-97.590637	38.4	38.6	38.9	0.3	39.1	39.4	0.3	
National Grassland	Lyndon B. Johnson National Grassland	Pri16103	Texas	116.3	33.355625	-97.590467	38.5	38.7	39.3	0.6	39.2	39.8	0.6	
National Grassland	Lyndon B. Johnson National Grassland	Pri16104	Texas	116.3	33.363870	-97.590381	37.9	38.0	38.6	0.6	38.6	39.0	0.4	
National Grassland	Lyndon B. Johnson National Grassland	Pri16105	Texas	116.3	33.372115	-97.590296	36.8	37.0	37.2	0.2	37.6	37.7	0.1	
National Grassland	Lyndon B. Johnson National Grassland	Pri16106	Texas	116.3	33.380360	-97.590211	35.5	35.7	35.8	0.1	36.4	36.3	-0.1	
National Grassland	Lyndon B. Johnson National Grassland	Pri16110	Texas	116.3	33.413340	-97.589871	30.9	31.0	30.6	-0.4	31.6	31.2	-0.4	
National Grassland	Lyndon B. Johnson National Grassland	Pri16345	Texas	116.3	33.330818	-97.580899	38.5	38.8	39.0	0.2	39.3	39.5	0.2	
National Grassland	Lyndon B. Johnson National Grassland	Pri16348	Texas	116.3	33.355553	-97.580642	38.0	38.2	38.8	0.6	38.8	39.3	0.5	
National Grassland	Lyndon B. Johnson National Grassland	Pri16349	Texas	116.3	33.363798	-97.580556	37.1	37.2	37.7	0.5	37.8	38.2	0.4	
National Grassland	Lyndon B. Johnson National Grassland	Pri16350	Texas	116.3	33.372043	-97.580470	35.8	36.0	36.2	0.2	36.6	36.7	0.1	
National Grassland	Lyndon B. Johnson National Grassland	Pri16351	Texas	116.3	33.380289	-97.580384	34.6	34.7	34.6	-0.1	35.3	35.2	-0.1	
National Grassland	Lyndon B. Johnson National Grassland	Pri16352	Texas	116.3	33.388534	-97.580298	33.3	33.4	33.2	-0.2	34.1	33.8	-0.3	
National Grassland	Lyndon B. Johnson National Grassland	Pri16354	Texas	116.3	33.405024	-97.580125	31.1	31.2	30.8	-0.4	31.8	31.4	-0.4	
National Grassland	Lyndon B. Johnson National Grassland	Pri16590	Texas	116.3	33.330745	-97.571077	38.8	39.0	39.5	0.5	39.6	39.9	0.3	
National Grassland	Lyndon B. Johnson National Grassland	Pri16595	Texas	116.3	33.371971	-97.570643	34.8	35.0	35.1	0.1	35.6	35.6	0.0	
National Grassland	Lyndon B. Johnson National Grassland	Pri16596	Texas	116.3	33.380216	-97.570556	33.5	33.7	33.5	-0.2	34.3	34.2	-0.1	
National Grassland	Lyndon B. Johnson National Grassland	Pri16597	Texas	116.3	33.388461	-97.570469	32.4	32.5	32.2	-0.3	33.1	32.8	-0.3	
National Grassland	Lyndon B. Johnson National Grassland	Pri16842	Texas	116.3	33.388388	-97.560640	31.5	31.7	31.3	-0.4	32.3	31.9	-0.4	

Type of Resource	Location						2011	dB						
	Site Name	Gridpoint Location ID	State	Area (Acres)	Latitude	Longitude		N.A.	P.A.	Change	N.A.	P.A.	Change	
National Grassland	Lyndon B. Johnson National Grassland	Pri17575	Texas	116.3	33.371673	-97.531336	31.5	31.6	31.1	-0.5	32.2	31.7	-0.5	
National Grassland	Lyndon B. Johnson National Grassland	Pri17580	Texas	116.3	33.412898	-97.530883	28.8	28.9	28.4	-0.5	29.6	29.3	-0.3	
National Grassland	Lyndon B. Johnson National Grassland	Pri17825	Texas	116.3	33.412821	-97.521051	28.5	28.6	28.2	-0.4	29.3	29.0	-0.3	
National Grassland	Lyndon B. Johnson National Grassland	Pri18070	Texas	116.3	33.412744	-97.511220	28.2	28.2	27.9	-0.3	28.9	28.8	-0.1	
National Grassland	Lyndon B. Johnson National Grassland	Pri18311	Texas	116.3	33.379686	-97.501763	29.8	29.9	29.3	-0.6	30.5	30.0	-0.5	
National Grassland	LyndonB. Johnson National Grassland	4F_5_20_Lyndon	Texas	116.3	33.371620	-97.624190	38.1	38.3	39.0	0.7	38.9	39.5	0.6	
Local Park	Lynn Creek Park	Pri29981	Texas	773	32.632975	-97.042336	45.9	46.0	46.4	0.4	46.3	46.7	0.4	
Local Park	Lynn Creek Park	Pri30226	Texas	773	32.632860	-97.032591	45.6	45.7	46.1	0.4	46.0	46.5	0.5	
Local Park	LynnCreekPark	4f_814_LynnCree	Texas	773	32.634980	-97.033040	45.7	45.8	46.2	0.4	46.1	46.6	0.5	
Local Park	MackPark	4f_816_MackPark	Texas	22.5	33.215440	-97.108070	41.7	41.7	41.8	0.1	41.9	42.0	0.1	
Local Park	MagnaVistaPark	4f_817_MagnaVis	Texas	36	32.722390	-96.772350	47.7	47.9	47.2	-0.7	48.4	47.7	-0.7	
Local Park	MallardPark	4f_818_MallardP	Texas	54	33.047190	-96.427430	43.0	43.0	41.7	-1.3	43.3	42.1	-1.2	
Local Park	MaplePark	4f_819_MaplePar	Texas	4.2	32.812640	-96.822960	59.5	60.0	60.2	0.2	61.4	61.6	0.2	
Local Park	MarinePark	4f_820_MarinePa	Texas	11.9	32.780180	-97.350980	51.8	51.7	51.8	0.1	51.2	51.2	0.0	
Local Park	MarkTwainPark	4f_821_MarkTwai	Texas	8.9	32.948150	-96.702300	44.9	45.0	44.5	-0.5	45.2	44.5	-0.7	
Local Park	MarsalisPark	4f_822_Marsalis	Texas	64.5	32.740370	-96.816360	48.3	48.4	48.1	-0.3	48.9	48.4	-0.5	
Local Park	MayfairPark	4f_823_MayfairP	Texas	6.6	32.846800	-97.169190	45.0	44.9	44.9	0.0	45.1	45.1	0.0	
Local Park	McCown Valley Park	Pri21077	Texas	475	31.943959	-97.401711	29.2	28.7	31.9	3.2	28.4	31.8	3.4	
Local Park	McCownValleyPark	4f_824_McCownVa	Texas	475	31.943010	-97.400660	29.3	28.7	31.9	3.2	28.4	31.8	3.4	
Local Park	McCreePark	4f_825_McCreePa	Texas	11.5	32.870520	-96.699450	46.9	46.9	45.2	-1.7	47.5	45.5	-2.0	
Local Park	McGeePark	4f_826_McGeePar	Texas	2.9	32.783500	-97.395050	45.2	45.4	45.6	0.2	45.6	45.8	0.2	
Local Park	McKennaPark	4f_827_McKennaP	Texas	17.2	33.220320	-97.159970	41.7	41.7	41.8	0.1	41.7	41.9	0.2	
Local Park	McWhorterPark	4f_828_McWhorte	Texas	15.2	32.745920	-96.618050	44.5	44.5	45.4	0.9	44.9	46.0	1.1	
Local Park	MeadowbrookPark	4f_830_Meadowbr	Texas	54	32.732240	-97.091550	50.1	50.3	50.0	-0.3	50.6	50.4	-0.2	
Local Park	MeadowmerePark	4f_831_Meadowme	Texas	349	32.979910	-97.119320	46.2	46.3	46.3	0.0	46.5	46.5	0.0	
Local Park	MeadowStonePark	4f_829_MeadowSt	Texas	7	32.656290	-96.861960	45.2	45.3	44.8	-0.5	45.0	44.2	-0.8	

Appendix F: Section 4(f) Resources

Type of Resource	Location						2011	dB					
	Site Name	Gridpoint Location ID	State	Area (Acres)	Latitude	Longitude		N.A.	P.A.	Change	N.A.	P.A.	
State Park	Meridan State Park	4F_30_21_Merida	Texas	529.1	31.891740	-97.702710	20.6	20.6	22.1	1.5	20.9	23.2	2.3
State Park	Meridan State Park	Sec10703	Texas	529.1	31.888548	-97.702002	20.6	20.6	22.1	1.5	20.9	23.1	2.2
Local Park	MeyersPark	4f_832_MeyersPa	Texas	5.4	33.563530	-97.854670	31.8	31.8	32.2	0.4	32.4	33.2	0.8
Local Park	MHWPark	4f_815_MHWPark	Texas	57.5	33.116290	-96.087030	40.3	40.3	41.3	1.0	40.7	41.7	1.0
Local Park	MidwayPark	4f_833_MidwayPa	Texas	19.3	32.845110	-97.085260	51.1	51.3	51.4	0.1	51.6	51.7	0.1
Local Park	Mill Creek Park	Pri36250	Texas	96.1	33.817073	-96.775700	37.0	37.1	37.0	-0.1	37.5	37.3	-0.2
Local Park	MillCreekPark	4f_834_MillCree	Texas	96.1	33.820400	-96.775280	37.0	37.1	37.0	-0.1	37.5	37.4	-0.1
Local Park	MillerPark	4f_835_MillerPa	Texas	4.3	32.718100	-96.778550	47.4	47.5	46.8	-0.7	48.1	47.5	-0.6
Local Park	MimosaPark	4f_836_MimosaPa	Texas	8.6	32.967580	-96.761550	47.8	47.8	47.6	-0.2	47.5	47.4	-0.1
Local Park	MineralWellsPark	4f_837_MineralW	Texas	63.2	32.809110	-98.131150	38.5	38.6	39.1	0.5	38.8	39.4	0.6
Local Park	MonticelloPark	4f_838_Monticel	Texas	4.6	32.758000	-97.371080	46.9	47.0	46.7	-0.3	47.0	46.7	-0.3
Local Park	MoorePark	4f_839_MoorePar	Texas	14.2	33.208860	-97.122520	41.7	41.7	41.9	0.2	41.9	42.0	0.1
Local Park	MoorePark	4f_840_MoorePar	Texas	23.5	32.711780	-97.120140	47.9	48.2	47.9	-0.3	48.5	48.2	-0.3
Local Park	MoorePark	4f_841_MoorePar	Texas	5.1	32.748380	-96.793070	49.6	49.8	49.6	-0.2	50.4	50.0	-0.4
Local Park	MorganLakesidePark	4f_842_MorganLa	Texas	75.2	32.018570	-97.492890	24.3	24.1	26.3	2.2	24.0	26.4	2.4
Local Park	MoselyPark	4f_843_MoselyPa	Texas	17.9	32.612620	-96.845700	41.7	41.9	41.9	0.0	42.8	42.6	-0.2
Local Park	MossPark	4f_844_MossPark	Texas	11.5	32.743240	-96.862310	48.8	49.0	48.9	-0.1	49.3	49.2	-0.1
Local Park	MotleyPark	4f_845_MotleyPa	Texas	5.3	32.818650	-96.655920	47.2	47.4	46.7	-0.7	47.8	47.0	-0.8
Local Park	MottPark	4f_846_MottPark	Texas	336.4	32.258040	-96.663420	25.7	25.6	26.1	0.5	26.0	26.5	0.5
Local Park	Mountain Creek Lake Park	Pri31458	Texas	1594.6	32.689993	-96.982884	46.9	47.1	46.7	-0.4	47.6	47.1	-0.5
Local Park	Mountain Creek Lake Park	Pri31701	Texas	1594.6	32.673382	-96.973417	45.2	45.4	44.9	-0.5	45.9	45.2	-0.7
Local Park	Mountain Creek Lake Park	Pri31702	Texas	1594.6	32.681628	-96.973275	46.0	46.2	45.8	-0.4	46.7	46.1	-0.6
Local Park	Mountain Creek Lake Park	Pri31703	Texas	1594.6	32.689873	-96.973133	46.6	46.9	46.4	-0.5	47.3	46.8	-0.5
Local Park	Mountain Creek Lake Park	Pri31948	Texas	1594.6	32.689753	-96.963383	46.5	46.7	46.3	-0.4	47.2	46.6	-0.6
Local Park	Mountain Creek Lake Park	Pri32196	Texas	1594.6	32.714368	-96.953201	46.7	46.8	46.4	-0.4	47.2	46.7	-0.5
Local Park	Mountain View Park	Pri33422	Texas	239.2	32.721997	-96.904287	46.7	46.9	46.6	-0.3	47.2	46.9	-0.3
Local Park	Mountain View Park	Pri33423	Texas	239.2	32.730242	-96.904139	47.7	47.8	47.7	-0.1	48.2	48.0	-0.2
Local Park	MountainCreekLakePark	4f_847_Mountain	Texas	1594.6	32.692660	-96.974300	46.9	47.1	46.7	-0.4	47.5	47.0	-0.5

Type of Resource	Location						2011	dB						
	Site Name	Gridpoint Location ID	State	Area (Acres)	Latitude	Longitude		N.A.	P.A.	Change	N.A.	P.A.	Change	
Local Park	MountainValleyPark	4f_848_Mountain	Texas	68.8	32.736610	-96.931320	49.1	49.2	49.2	0.0	49.5	49.5	0.0	
Local Park	MountainViewPark	4f_849_Mountain	Texas	239.2	32.726400	-96.904580	47.2	47.4	47.1	-0.3	47.7	47.5	-0.2	
Local Park	MouzonPark	4f_850_MouzonPa	Texas	22	33.197270	-96.602250	37.2	37.3	37.8	0.5	37.4	37.7	0.3	
Local Park	MunsonPark	4f_851_MunsonPa	Texas	128.7	33.775290	-96.534930	37.3	37.4	37.4	0.0	37.8	37.8	0.0	
Local Park	MurphyPark	4f_852_MurphyPa	Texas	1.3	33.206700	-96.627260	36.5	36.6	35.8	-0.8	36.9	36.2	-0.7	
Local Park	Mustang Park	Pri18462	Texas	766.4	32.604524	-97.500722	32.9	32.9	34.5	1.6	33.0	34.9	1.9	
Local Park	Mustang Park	Pri18463	Texas	766.4	32.612770	-97.500630	33.4	33.4	35.5	2.1	33.5	35.9	2.4	
Local Park	Mustang Park	Pri18707	Texas	766.4	32.604445	-97.490981	32.7	32.7	34.5	1.8	32.8	34.9	2.1	
Local Park	Mustang Park	Pri18952	Texas	766.4	32.604366	-97.481239	32.6	32.6	34.7	2.1	32.8	35.0	2.2	
Local Park	MustangPark	4f_853_MustangP	Texas	766.4	32.604650	-97.480710	32.7	32.6	34.7	2.1	32.8	35.0	2.2	
Local Park	NanceJamesPark	4f_854_NanceJam	Texas	5.1	32.732510	-97.030050	51.9	52.0	52.0	0.0	52.3	52.3	0.0	
Local Park	NarrowLakePark	4f_855_NarrowLa	Texas	41.4	33.165720	-96.960030	43.6	43.7	43.5	-0.2	44.0	43.7	-0.3	
Local Park	NaturesPark	4f_856_NaturesP	Texas	30.6	32.073170	-96.480720	22.9	22.9	23.7	0.8	23.2	24.0	0.8	
Local Park	NelsonPark	4f_857_NelsonPa	Texas	16.8	32.756510	-96.749150	51.0	51.4	52.7	1.3	51.9	52.9	1.0	
Local Park	NetherlandPark	4f_858_Netherla	Texas	11.2	32.888670	-96.809620	46.1	46.0	45.9	-0.1	46.3	46.1	-0.2	
Local Park	Nolan River Park	Pri19871	Texas	132.8	32.101046	-97.448221	26.2	25.5	32.0	6.5	25.2	32.1	6.9	
Local Park	NolanRiverPark	4f_859_NolanRiv	Texas	132.8	32.099210	-97.453400	25.9	25.3	31.9	6.6	25.0	32.0	7.0	
Local Park	NorichPark	4f_860_NorichPa	Texas	9	32.846230	-97.209060	45.5	45.5	45.4	-0.1	45.6	45.6	0.0	
Local Park	North Lake Park	Pri31242	Texas	660.7	32.929226	-96.988566	48.3	48.4	48.0	-0.4	49.0	48.5	-0.5	
Local Park	North Lake Park	Pri31243	Texas	660.7	32.937471	-96.988425	48.3	48.3	47.8	-0.5	48.9	48.2	-0.7	
Local Park	North Lake Park	Pri31487	Texas	660.7	32.929107	-96.978789	47.7	47.8	47.3	-0.5	48.5	47.7	-0.8	
Local Park	NorthArcadiaPark	4f_861_NorthArc	Texas	6.7	32.757140	-96.910820	51.9	52.1	52.0	-0.1	52.3	52.2	-0.1	
Local Park	NorthhavenPark	4f_867_Northave	Texas	32.5	32.905150	-96.847350	45.5	45.5	45.3	-0.2	46.1	45.5	-0.6	
Local Park	NorthfieldPark	4f_868_Northfie	Texas	26.5	32.890790	-97.198030	44.9	44.4	44.3	-0.1	44.2	44.1	-0.1	
Local Park	NorthHamptonPark	4f_862_NorthHam	Texas	86.9	32.789350	-96.858020	50.1	50.2	50.1	-0.1	50.5	50.5	0.0	
Local Park	NorthLakePark	4f_863_NorthLak	Texas	660.7	32.931920	-96.983340	47.9	48.0	47.4	-0.6	48.7	47.9	-0.8	
Local Park	NorthLakesPark	4f_864_NorthLak	Texas	284.1	33.236540	-97.157410	41.8	41.7	41.8	0.1	41.8	41.9	0.1	
Local Park	NorthPark	4f_865_NorthPar	Texas	57.7	32.842070	-97.260810	47.2	47.2	46.9	-0.3	47.3	47.0	-0.3	

Appendix F: Section 4(f) Resources

Type of Resource	Location						2011	dB						
	Site Name	Gridpoint Location ID	State	Area (Acres)	Latitude	Longitude		N.A.	P.A.	Change	N.A.	P.A.	Change	
Local Park	NorthSidePark	4f_866_NorthSid	Texas	10.3	32.780140	-97.362930	49.8	49.8	49.9	0.1	49.5	49.6	0.1	
Local Park	Oak Grove Park	Pri28797	Texas	1190	32.971600	-97.085679	51.4	51.6	51.6	0.0	51.8	51.9	0.1	
Local Park	Oak Grove Park	Pri29041	Texas	1190	32.963244	-97.076030	54.6	54.8	54.6	-0.2	55.0	54.9	-0.1	
Local Park	Oak Grove Park	Pri29530	Texas	1190	32.954773	-97.056603	64.6	64.9	64.9	0.0	65.4	65.4	0.0	
Local Park	OakGrovePark	4f_870_OakGrove	Texas	140.9	33.036560	-96.663070	42.7	42.3	43.3	1.0	42.6	43.7	1.1	
Local Park	OakGrovePark	4f_871_OakGrove	Texas	1190	32.960850	-97.083880	50.7	50.8	50.7	-0.1	51.1	51.0	-0.1	
Local Park	OaklandLakePark	4f_873_OaklandL	Texas	61.3	32.754820	-97.258440	48.7	48.8	48.6	-0.2	49.0	48.7	-0.3	
Local Park	OaklandPark	4f_874_OaklandP	Texas	409.1	33.099540	-97.002740	47.2	47.3	47.0	-0.3	47.6	47.3	-0.3	
Local Park	OakPark	4f_872_OakPark	Texas	182.1	31.965130	-96.692850	34.6	34.8	34.9	0.1	35.4	35.5	0.1	
Local Park	O'BanionPark	4f_869_O'Banion	Texas	25.5	32.861600	-96.623300	46.9	46.8	45.5	-1.3	47.1	45.7	-1.4	
Local Park	OdenPark	4f_875_OdenPark	Texas	36	32.891400	-96.642050	46.4	46.4	44.9	-1.5	46.7	45.5	-1.2	
Local Park	OldForkPark	4f_876_OldForkP	Texas	107.5	32.002530	-97.392500	29.4	28.8	31.4	2.6	28.4	31.3	2.9	
Local Park	OldSettlersPark	4f_877_OldSettl	Texas	27.8	33.655890	-96.595130	36.1	36.2	36.1	-0.1	36.7	36.5	-0.2	
Local Park	OliverPark	4f_878_OliverPa	Texas	4.6	32.695080	-96.809860	46.2	46.3	45.7	-0.6	46.8	46.1	-0.7	
Local Park	OranGoodPark	4f_879_OranGood	Texas	25.9	32.925480	-96.889080	50.2	50.5	51.4	0.9	51.5	53.3	1.8	
Local Park	OrbiterPark	4f_880_OrbiterP	Texas	9.4	32.899480	-96.762050	45.5	45.6	44.6	-1.0	46.3	45.9	-0.4	
Local Park	OutpostPark	4f_881_OutpostP	Texas	5.3	33.023800	-96.676940	43.2	42.9	43.4	0.5	43.2	43.7	0.5	
Local Park	OverlandTrailPark	4f_882_Overland	Texas	16.1	33.008770	-96.720650	44.1	44.1	44.0	-0.1	44.5	44.5	0.0	
Local Park	OvertonPark	4f_883_OvertonP	Texas	13.2	32.708070	-97.378870	44.2	44.0	45.4	1.4	44.0	45.5	1.5	
Local Park	PappyElkinsPark	4f_884_PappyElk	Texas	44.3	32.702280	-97.158180	46.1	46.5	46.1	-0.4	46.7	46.3	-0.4	
Local Park	ParadiseCovePark	4f_885_Paradise	Texas	136.5	33.788790	-96.783100	37.0	37.1	36.9	-0.2	37.5	37.3	-0.2	
Local Park	Park	4f_886_Park	Texas	N/A	33.559620	-97.839240	31.8	31.7	32.0	0.3	32.3	33.0	0.7	
Local Park	Park	4f_887_Park	Texas	N/A	33.476810	-97.732690	33.8	33.9	33.3	-0.6	34.4	33.9	-0.5	
Local Park	Park	4f_888_Park	Texas	N/A	33.756580	-96.559330	38.3	38.4	38.4	0.0	38.8	38.8	0.0	
Local Park	Park	4f_889_Park	Texas	N/A	33.742310	-96.533500	35.7	35.9	35.8	-0.1	36.3	36.1	-0.2	
Local Park	Park	4f_890_Park	Texas	N/A	33.818080	-96.559880	41.0	41.1	41.1	0.0	41.5	41.5	0.0	
Local Park	Park	4f_891_Park	Texas	N/A	33.585330	-96.178350	30.1	30.2	26.8	-3.4	30.6	27.6	-3.0	
Local Park	Park	4f_892_Park	Texas	N/A	33.575820	-96.175170	30.3	30.4	27.3	-3.1	30.8	28.0	-2.8	

Type of Resource	Location						2011	dB						
	Site Name	Gridpoint Location ID	State	Area (Acres)	Latitude	Longitude		N.A.	P.A.	Change	N.A.	P.A.	Change	
Local Park	Park	4f_893_Park	Texas	N/A	33.570280	-96.182190	30.6	30.7	27.5	-3.2	31.1	28.2	-2.9	
Local Park	Park	4f_894_Park	Texas	N/A	33.236350	-97.583810	30.4	30.3	30.2	-0.1	30.8	30.6	-0.2	
Local Park	Park	4f_895_Park	Texas	N/A	33.214370	-97.095820	42.1	42.1	42.2	0.1	42.2	42.3	0.1	
Local Park	Park	4f_896_Park	Texas	N/A	33.241040	-97.111970	41.6	41.6	41.8	0.2	41.7	42.0	0.3	
Local Park	Park	4f_897_Park	Texas	N/A	33.236010	-97.027720	42.0	42.1	41.9	-0.2	42.3	42.1	-0.2	
Local Park	Park	4f_898_Park	Texas	N/A	33.001140	-96.885460	48.2	48.3	48.2	-0.1	48.7	48.5	-0.2	
Local Park	Park	4f_899_Park	Texas	N/A	33.236390	-97.148820	41.8	41.8	41.9	0.1	41.8	41.9	0.1	
Local Park	Park	4f_900_Park	Texas	N/A	33.111900	-96.113920	40.6	40.7	41.1	0.4	41.0	41.5	0.5	
Local Park	Park	4f_901_Park	Texas	N/A	33.100130	-96.668230	39.4	38.8	41.3	2.5	39.1	41.7	2.6	
Local Park	Park	4f_902_Park	Texas	N/A	33.015110	-96.744350	44.8	44.8	44.9	0.1	45.3	46.1	0.8	
Local Park	Park	4f_903_Park	Texas	N/A	33.096230	-96.476600	39.5	39.0	40.0	1.0	39.5	40.4	0.9	
Local Park	Park	4f_904_Park	Texas	N/A	32.775110	-97.321820	47.5	47.5	47.6	0.1	47.7	47.6	-0.1	
Local Park	Park	4f_905_Park	Texas	N/A	32.687070	-97.264610	44.4	44.3	44.7	0.4	44.5	44.9	0.4	
Local Park	Park	4f_906_Park	Texas	N/A	32.681140	-97.356450	42.4	42.2	43.9	1.7	42.0	43.8	1.8	
Local Park	Park	4f_907_Park	Texas	N/A	32.665000	-97.382240	42.3	42.2	43.8	1.6	41.4	43.4	2.0	
Local Park	Park	4f_908_Park	Texas	N/A	32.639700	-97.387810	41.9	41.9	43.2	1.3	41.7	43.3	1.6	
Local Park	Park	4f_909_Park	Texas	N/A	32.646340	-97.405100	42.7	42.7	43.7	1.0	42.9	44.0	1.1	
Local Park	Park	4f_910_Park	Texas	N/A	32.771590	-97.358280	50.4	50.4	50.4	0.0	49.9	50.0	0.1	
Local Park	Park	4f_911_Park	Texas	N/A	32.755430	-97.357980	48.8	48.7	48.5	-0.2	48.4	48.2	-0.2	
Local Park	Park	4f_912_Park	Texas	N/A	32.744260	-97.428090	49.7	49.8	49.6	-0.2	49.9	49.7	-0.2	
Local Park	Park	4f_913_Park	Texas	N/A	32.742550	-97.411470	46.4	46.4	45.8	-0.6	46.4	45.7	-0.7	
Local Park	Park	4f_914_Park	Texas	N/A	32.729620	-97.038920	51.9	52.0	51.9	-0.1	52.3	52.2	-0.1	
Local Park	Park	4f_915_Park	Texas	N/A	32.738460	-97.408720	46.2	46.2	45.8	-0.4	46.2	45.8	-0.4	
Local Park	Park	4f_916_Park	Texas	N/A	32.732640	-97.349470	47.6	47.6	47.7	0.1	47.1	47.2	0.1	
Local Park	Park	4f_917_Park	Texas	N/A	32.729770	-97.103870	49.4	49.7	49.4	-0.3	50.0	49.7	-0.3	
Local Park	Park	4f_918_Park	Texas	N/A	32.728620	-97.122120	49.2	49.4	49.1	-0.3	49.7	49.4	-0.3	
Local Park	Park	4f_919_Park	Texas	N/A	32.622030	-97.289720	40.8	40.4	41.3	0.9	40.1	41.3	1.2	
Local Park	Park	4f_920_Park	Texas	N/A	32.572500	-97.042690	44.1	44.1	44.4	0.3	44.3	44.6	0.3	

Appendix F: Section 4(f) Resources

Type of Resource	Location						2011	dB						
	Site Name	Gridpoint Location ID	State	Area (Acres)	Latitude	Longitude		N.A.	P.A.	Change	N.A.	P.A.	Change	
Local Park	Park	4f_921_Park	Texas	N/A	32.567350	-97.122500	41.9	41.9	42.2	0.3	41.8	42.2	0.4	
Local Park	Park	4f_922_Park	Texas	N/A	32.724580	-97.232980	46.7	46.9	47.1	0.2	47.2	47.3	0.1	
Local Park	Park	4f_923_Park	Texas	N/A	32.718400	-97.420000	46.6	46.6	47.4	0.8	46.7	47.6	0.9	
Local Park	Park	4f_924_Park	Texas	N/A	32.712220	-97.200490	46.1	46.3	46.1	-0.2	46.6	46.3	-0.3	
Local Park	Park	4f_925_Park	Texas	N/A	32.704990	-97.334840	45.4	45.3	46.3	1.0	44.8	46.0	1.2	
Local Park	Park	4f_926_Park	Texas	N/A	32.699700	-97.316160	44.9	44.5	45.6	1.1	44.3	45.4	1.1	
Local Park	Park	4f_927_Park	Texas	N/A	32.688610	-97.179960	44.8	45.1	44.7	-0.4	45.4	44.9	-0.5	
Local Park	Park	4f_928_Park	Texas	N/A	32.938820	-97.083460	49.0	49.1	49.0	-0.1	49.5	49.4	-0.1	
Local Park	Park	4f_929_Park	Texas	N/A	32.905870	-97.114800	45.1	44.9	44.6	-0.3	45.4	45.0	-0.4	
Local Park	Park	4f_930_Park	Texas	N/A	32.894130	-97.107220	45.6	45.4	45.3	-0.1	45.7	45.5	-0.2	
Local Park	Park	4f_931_Park	Texas	N/A	32.880030	-97.240830	45.7	45.6	45.5	-0.1	45.6	45.5	-0.1	
Local Park	Park	4f_932_Park	Texas	N/A	32.841730	-97.182200	45.2	45.1	45.1	0.0	45.4	45.3	-0.1	
Local Park	Park	4f_933_Park	Texas	N/A	32.823700	-97.151390	45.9	45.9	46.0	0.1	46.1	46.3	0.2	
Local Park	Park	4f_934_Park	Texas	N/A	32.826310	-97.389710	46.3	46.5	46.8	0.3	46.7	46.9	0.2	
Local Park	Park	4f_935_Park	Texas	N/A	32.814450	-97.178400	47.3	47.4	47.5	0.1	47.7	47.7	0.0	
Local Park	Park	4f_936_Park	Texas	N/A	32.813390	-97.149140	46.9	47.1	47.2	0.1	47.3	47.4	0.1	
Local Park	Park	4f_937_Park	Texas	N/A	32.815490	-97.228930	47.5	47.6	47.5	-0.1	47.8	47.7	-0.1	
Local Park	Park	4f_938_Park	Texas	N/A	32.811820	-97.278360	48.7	48.8	48.6	-0.2	48.9	48.8	-0.1	
Local Park	Park	4f_939_Park	Texas	N/A	32.806120	-97.230450	48.1	48.3	48.2	-0.1	48.5	48.4	-0.1	
Local Park	Park	4f_940_Park	Texas	N/A	32.803230	-97.294180	49.0	49.1	48.8	-0.3	49.2	48.9	-0.3	
Local Park	Park	4f_941_Park	Texas	N/A	32.800330	-97.235380	48.5	48.7	48.7	0.0	48.9	48.9	0.0	
Local Park	Park	4f_942_Park	Texas	N/A	32.797440	-97.358420	57.6	57.5	57.5	0.0	56.6	56.7	0.1	
Local Park	Park	4f_943_Park	Texas	N/A	32.793480	-97.298260	48.9	49.0	48.7	-0.3	49.1	48.8	-0.3	
Local Park	Park	4f_944_Park	Texas	N/A	32.791600	-97.334740	47.5	47.6	47.7	0.1	47.7	47.8	0.1	
Local Park	Park	4f_945_Park	Texas	N/A	32.809410	-96.962360	49.0	49.0	49.0	0.0	49.2	49.2	0.0	
Local Park	Park	4f_946_Park	Texas	N/A	32.809090	-96.983670	53.3	53.4	53.3	-0.1	53.6	53.5	-0.1	
Local Park	Park	4f_947_Park	Texas	N/A	32.803230	-96.793720	56.7	57.1	57.2	0.1	57.9	58.0	0.1	
Local Park	Park	4f_948_Park	Texas	N/A	32.800280	-96.783590	55.0	55.4	55.1	-0.3	56.1	55.7	-0.4	

Type of Resource	Location						2011	dB						
	Site Name	Gridpoint Location ID	State	Area (Acres)	Latitude	Longitude		N.A.	P.A.	Change	N.A.	P.A.	Change	
Local Park	Park	4f_949_Park	Texas	N/A	32.737200	-97.031730	52.4	52.5	52.4	-0.1	52.8	52.8	0.0	
Local Park	Park	4f_950_Park	Texas	N/A	32.723580	-96.847960	46.6	46.8	46.5	-0.3	47.1	46.7	-0.4	
Local Park	Park	4f_951_Park	Texas	N/A	32.733560	-97.035330	52.1	52.2	52.2	0.0	52.6	52.5	-0.1	
Local Park	Park	4f_952_Park	Texas	N/A	32.718600	-96.986430	47.9	48.1	47.7	-0.4	48.5	48.1	-0.4	
Local Park	Park	4f_953_Park	Texas	N/A	32.789860	-96.740740	50.3	50.5	49.8	-0.7	50.7	50.1	-0.6	
Local Park	Park	4f_954_Park	Texas	N/A	32.789780	-96.746880	51.0	51.3	50.5	-0.8	51.4	50.8	-0.6	
Local Park	Park	4f_955_Park	Texas	N/A	32.789030	-96.784190	55.8	56.1	56.7	0.6	56.9	57.4	0.5	
Local Park	Park	4f_956_Park	Texas	N/A	32.778090	-96.808180	52.3	52.5	52.3	-0.2	53.3	53.1	-0.2	
Local Park	Park	4f_957_Park	Texas	N/A	32.777160	-96.797070	53.2	53.5	53.3	-0.2	54.3	53.9	-0.4	
Local Park	Park	4f_958_Park	Texas	N/A	32.776850	-96.836460	50.9	51.0	50.9	-0.1	51.5	51.3	-0.2	
Local Park	Park	4f_959_Park	Texas	N/A	32.774410	-96.748410	51.6	51.9	52.2	0.3	52.0	52.8	0.8	
Local Park	Park	4f_960_Park	Texas	N/A	32.772260	-96.693630	47.1	47.2	47.2	0.0	47.5	47.6	0.1	
Local Park	Park	4f_961_Park	Texas	N/A	32.763800	-96.754640	52.1	52.4	53.6	1.2	52.8	53.7	0.9	
Local Park	Park	4f_962_Park	Texas	N/A	32.764920	-96.759180	52.7	53.0	54.1	1.1	53.4	54.2	0.8	
Local Park	Park	4f_963_Park	Texas	N/A	32.758580	-96.960370	53.3	53.4	53.4	0.0	53.6	53.6	0.0	
Local Park	Park	4f_964_Park	Texas	N/A	32.752580	-96.954970	52.1	52.3	52.3	0.0	52.5	52.5	0.0	
Local Park	Park	4f_965_Park	Texas	N/A	32.746560	-96.816050	48.8	49.0	48.7	-0.3	49.5	49.1	-0.4	
Local Park	Park	4f_966_Park	Texas	N/A	32.745500	-97.024120	52.8	52.9	52.9	0.0	53.2	53.2	0.0	
Local Park	Park	4f_967_Park	Texas	N/A	32.870960	-96.633500	46.9	46.8	45.5	-1.3	47.1	45.7	-1.4	
Local Park	Park	4f_968_Park	Texas	N/A	32.871570	-96.610130	46.8	46.8	45.3	-1.5	47.0	45.6	-1.4	
Local Park	Park	4f_969_Park	Texas	N/A	32.870600	-96.669000	46.9	46.9	45.5	-1.4	47.3	45.9	-1.4	
Local Park	Park	4f_970_Park	Texas	N/A	32.873360	-97.003520	53.2	53.2	53.2	0.0	53.5	53.4	-0.1	
Local Park	Park	4f_971_Park	Texas	N/A	32.870640	-97.003970	53.5	53.4	53.4	0.0	53.7	53.6	-0.1	
Local Park	Park	4f_972_Park	Texas	N/A	32.860870	-96.977070	46.9	46.6	46.2	-0.4	47.0	46.5	-0.5	
Local Park	Park	4f_973_Park	Texas	N/A	32.854350	-96.863880	67.5	67.9	67.9	0.0	69.1	69.0	-0.1	
Local Park	Park	4f_974_Park	Texas	N/A	32.852430	-96.842420	55.7	56.1	56.1	0.0	57.0	56.9	-0.1	
Local Park	Park	4f_975_Park	Texas	N/A	32.851680	-96.839020	54.3	54.7	54.6	-0.1	55.6	55.5	-0.1	
Local Park	Park	4f_976_Park	Texas	N/A	32.843970	-97.000350	54.0	54.1	53.9	-0.2	54.3	54.2	-0.1	

Appendix F: Section 4(f) Resources

Type of Resource	Location						2011	dB						
	Site Name	Gridpoint Location ID	State	Area (Acres)	Latitude	Longitude		N.A.	P.A.	Change	N.A.	P.A.	Change	
Local Park	Park	4f_977_Park	Texas	N/A	32.840410	-96.581420	45.4	45.3	45.4	0.1	45.5	45.6	0.1	
Local Park	Park	4f_978_Park	Texas	N/A	32.832560	-96.561360	45.0	44.9	45.2	0.3	45.1	45.4	0.3	
Local Park	Park	4f_979_Park	Texas	N/A	32.834510	-96.790940	48.8	49.0	48.5	-0.5	49.6	49.1	-0.5	
Local Park	Park	4f_980_Park	Texas	N/A	32.828830	-96.793250	50.0	50.3	49.8	-0.5	51.1	50.6	-0.5	
Local Park	Park	4f_981_Park	Texas	N/A	32.827830	-96.791540	49.9	50.2	49.7	-0.5	51.0	50.5	-0.5	
Local Park	Park	4f_982_Park	Texas	N/A	32.827040	-96.975360	48.2	48.1	47.9	-0.2	48.4	48.2	-0.2	
Local Park	Park	4f_983_Park	Texas	N/A	32.824250	-96.920930	48.9	48.9	49.0	0.1	49.3	49.4	0.1	
Local Park	Park	4f_984_Park	Texas	N/A	32.817580	-97.000930	58.5	58.6	58.5	-0.1	58.8	58.6	-0.2	
Local Park	Park	4f_985_Park	Texas	N/A	32.810110	-96.642570	46.6	46.7	46.3	-0.4	47.3	46.6	-0.7	
Local Park	Park	4f_986_Park	Texas	N/A	32.826620	-96.834810	67.2	67.6	67.7	0.1	69.0	69.1	0.1	
Local Park	Park	4f_987_Park	Texas	N/A	32.826530	-96.801280	52.4	52.8	52.2	-0.6	53.7	53.2	-0.5	
Local Park	Park	4f_988_Park	Texas	N/A	32.825220	-96.797860	51.9	52.2	51.6	-0.6	53.2	52.6	-0.6	
Local Park	Park	4f_989_Park	Texas	N/A	32.694080	-96.835180	45.5	45.8	45.0	-0.8	46.3	45.4	-0.9	
Local Park	Park	4f_990_Park	Texas	N/A	32.750870	-97.023930	53.1	53.3	53.3	0.0	53.6	53.6	0.0	
Local Park	Park	4f_991_Park	Texas	N/A	32.702480	-96.989580	47.7	47.9	47.6	-0.3	48.3	48.0	-0.3	
Local Park	Park	4f_992_Park	Texas	N/A	32.700050	-96.985980	47.4	47.7	47.3	-0.4	48.1	47.7	-0.4	
Local Park	Park	4f_993_Park	Texas	N/A	32.691980	-96.642040	40.3	40.2	44.1	3.9	40.5	44.6	4.1	
Local Park	Park	4f_994_Park	Texas	N/A	32.671850	-96.839120	44.8	45.0	44.1	-0.9	45.5	44.4	-1.1	
Local Park	Park	4f_995_Park	Texas	N/A	32.667030	-96.603370	37.2	37.2	41.8	4.6	37.1	42.3	5.2	
Local Park	Park	4f_996_Park	Texas	N/A	32.656850	-96.901760	43.1	43.4	42.3	-1.1	43.9	42.7	-1.2	
Local Park	Park	4f_997_Park	Texas	N/A	32.650030	-96.929500	42.5	42.6	42.4	-0.2	43.1	42.9	-0.2	
Local Park	Park	4f_998_Park	Texas	N/A	32.585310	-96.849800	40.6	40.8	40.5	-0.3	41.8	41.3	-0.5	
Local Park	Park	4f_999_Park	Texas	N/A	32.932690	-96.456980	45.2	45.2	44.8	-0.4	45.4	45.0	-0.4	
Local Park	Park	4f_1000_Park	Texas	N/A	32.446890	-97.784070	29.1	29.3	26.7	-2.6	29.5	26.9	-2.6	
Local Park	Park	4f_1001_Park	Texas	N/A	32.441780	-97.783560	28.8	28.9	26.7	-2.2	29.1	26.8	-2.3	
Local Park	Park	4f_1002_Park	Texas	N/A	32.552540	-97.332420	36.9	36.5	35.5	-1.0	36.2	35.0	-1.2	
Local Park	Park	4f_1003_Park	Texas	N/A	32.347710	-97.367520	31.4	31.0	32.0	1.0	31.1	32.3	1.2	
Local Park	Park	4f_1004_Park	Texas	N/A	32.330070	-97.407740	30.6	30.0	32.1	2.1	30.0	32.3	2.3	

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	Site Name	Gridpoint Location ID	State	Area (Acres)	Latitude	Longitude		N.A.	P.A.	Change	N.A.	P.A.	Change	
Local Park	Park	4f_1005_Park	Texas	N/A	32.399350	-96.838050	38.0	38.1	37.9	-0.2	38.8	38.7	-0.1	
Local Park	Park	4f_1006_Park	Texas	N/A	32.324690	-96.628160	30.2	30.3	28.8	-1.5	30.5	29.0	-1.5	
Local Park	Park	4f_1007_Park	Texas	N/A	32.239050	-97.742530	27.9	27.9	26.9	-1.0	28.2	27.3	-0.9	
Local Park	ParkdalePark	4f_1008_Parkdale	Texas	18.7	32.775580	-96.715370	48.5	48.7	48.5	-0.2	49.1	49.1	0.0	
Local Park	ParkhillPark	4f_1009_Parkhill	Texas	10.1	32.650880	-97.011990	45.6	45.8	45.8	0.0	46.2	46.2	0.0	
Local Park	ParscallPark	4f_1010_Parscall	Texas	63.2	32.758660	-96.611850	45.3	45.4	45.7	0.3	45.8	46.4	0.6	
Local Park	PatePark	4f_1011_PatePark	Texas	10.4	32.707510	-97.254790	45.6	45.7	46.0	0.3	45.9	46.2	0.3	
Local Park	PatriotPark	4f_1012_PatriotP	Texas	15.2	33.013230	-96.737000	44.6	44.6	44.7	0.1	45.1	45.8	0.7	
Local Park	PawPawCreekResortPark	4f_1013_PawPawCr	Texas	110.5	33.848450	-96.883370	36.8	36.5	36.4	-0.1	36.6	36.6	0.0	
Local Park	PeavyPark	4f_1014_PeavyPar	Texas	3	32.932590	-96.651080	45.0	45.0	44.2	-0.8	45.3	44.5	-0.8	
Local Park	Pecan Valley Park	Pri19693	Texas	542.7	32.653598	-97.451430	40.5	40.6	41.8	1.2	40.8	42.1	1.3	
Local Park	PecanGrovePark	4f_1015_PecanGro	Texas	8.6	32.706530	-96.877300	46.9	47.1	46.7	-0.4	47.2	46.8	-0.4	
Local Park	PecanValleyPark	4f_1016_PecanVal	Texas	542.7	32.659520	-97.466770	39.4	39.5	41.8	2.3	39.7	42.1	2.4	
Local Park	PelhamPark	4f_1017_PelhamPa	Texas	18.8	33.551310	-97.833000	32.1	32.1	32.3	0.2	32.7	33.2	0.5	
Local Park	PembertonHillPark	4f_1018_Pemberto	Texas	12.4	32.718770	-96.711140	45.4	45.4	48.7	3.3	46.1	49.2	3.1	
Local Park	PeterPanPark	4f_1019_PeterPan	Texas	6.9	32.891230	-96.852510	45.3	45.3	45.2	-0.1	45.8	45.7	-0.1	
Local Park	PhoenixPark	4f_1020_PhoenixP	Texas	6.8	33.211040	-97.119760	41.7	41.7	41.8	0.1	41.9	42.0	0.1	
Local Park	PickeringPark	4f_1021_Pickerin	Texas	6.9	32.964910	-97.115630	44.9	45.0	44.9	-0.1	45.3	45.2	-0.1	
Local Park	PiercePark	4f_1022_PiercePa	Texas	1.6	32.328750	-96.627530	30.1	30.2	28.5	-1.7	30.4	28.7	-1.7	
Local Park	PikePark	4f_1023_PikePark	Texas	1.8	32.793570	-96.809810	54.8	55.2	55.1	-0.1	56.4	56.2	-0.2	
Local Park	PilotKnollsPark	4f_1024_PilotKno	Texas	253.9	33.104640	-97.072630	46.0	46.1	46.0	-0.1	46.5	46.3	-0.2	
Local Park	PioneerPark	4f_1025_PioneerP	Texas	211.3	33.059780	-96.739760	43.9	43.5	44.3	0.8	44.0	44.5	0.5	
Local Park	PleasantOaksPark	4f_1026_Pleasant	Texas	22.7	32.751570	-96.672080	45.8	45.8	46.1	0.3	46.2	46.5	0.3	
Local Park	Plowman Creek Park	Pri18641	Texas	256.4	32.060221	-97.497119	24.1	23.9	25.8	1.9	23.8	25.9	2.1	
Local Park	PlowmanCreekPark	4f_1027_PlowmanC	Texas	256.4	32.068120	-97.495320	24.2	23.9	25.9	2.0	23.9	26.0	2.1	
Local Park	PolkPark	4f_1028_PolkPark	Texas	1.3	32.841050	-96.831650	61.1	61.5	61.0	-0.5	62.3	61.8	-0.5	
National Natural Landmark	Porter Farm	NNL_5_Porter	Texas	70	32.772912	-96.277527	42.6	42.8	42.8	0.0	43.1	43.2	0.1	
	PorterPark	4f_1029_PorterPa	Texas	2.5	32.969020	-96.890660	46.9	47.0	47.5	0.5	47.6	47.7	0.1	

Appendix F: Section 4(f) Resources

Type of Resource	Location						2011	dB						
	Site Name	Gridpoint Location ID	State	Area (Acres)	Latitude	Longitude		N.A.	P.A.	Change	N.A.	P.A.	Change	
State Park	Possum Kingdom State Park	4F_24_22_Possum	Texas	1528.7	32.868590	-98.565550	36.6	36.7	34.5	-2.2	37.1	34.9	-2.2	
State Park	Possum Kingdom State Park	Sec2482	Texas	1855.8	32.864159	-98.572604	36.6	36.7	34.4	-2.3	37.0	34.8	-2.2	
State Park	Possum Kingdom State Park	Sec2483	Texas	1855.8	32.880651	-98.572618	36.3	36.4	34.6	-1.8	36.8	34.9	-1.9	
Local Park	PrairieCreekPark	4f_1030_PrairieC	Texas	42.3	32.983110	-96.719920	45.2	45.2	45.6	0.4	45.2	45.4	0.2	
Local Park	PrairieDogPark	4f_1031_PrairieD	Texas	38.3	32.686380	-97.258160	44.4	44.4	44.6	0.2	44.7	44.7	0.0	
Local Park	PublicBeachPark	4f_1032_PublicBe	Texas	114.2	33.078900	-96.456000	41.1	40.8	40.1	-0.7	41.1	40.5	-0.6	
State Park	Purtis Creek State Park	4F_26_23_Purtis	Texas	1546.1	32.362780	-95.993710	23.4	23.6	25.1	1.5	23.9	26.6	2.7	
State Park	Purtis Creek State Park	Sec26741	Texas	1546.1	32.360793	-96.007020	23.4	23.6	25.3	1.7	23.9	27.0	3.1	
State Park	Purtis Creek State Park	Sec26925	Texas	1546.1	32.360400	-95.987594	23.4	23.6	25.1	1.5	24.0	26.7	2.7	
Local Park	R J McInnish Park	Pri32471	Texas	168.5	32.961604	-96.939100	45.0	44.9	44.8	-0.1	45.3	44.9	-0.4	
Local Park	RandallPark	4f_1034_RandallP	Texas	15.8	32.803930	-96.751140	50.2	50.3	49.5	-0.8	50.6	49.8	-0.8	
Local Park	RandolMillPark	4f_1035_RandolMi	Texas	161.6	32.757330	-97.138210	52.7	52.9	52.8	-0.1	53.1	53.1	0.0	
Local Park	RangePark	4f_1036_RangePar	Texas	5.6	32.800270	-96.658850	46.6	46.8	46.7	-0.1	47.2	47.3	0.1	
Local Park	RawhidePark	4f_1037_RawhideP	Texas	39.9	32.931040	-96.877780	48.9	49.2	50.2	1.0	50.1	52.5	2.4	
State Park	Ray Roberts Lake State Park - Buck Creek	4F_9_24_RayRob	Texas	46.1	33.444410	-96.926480	39.2	39.3	39.7	0.4	39.8	40.4	0.6	
State Park	Ray Roberts Lake State Park - Elm Fork	Pri29823	Texas	477.1	33.350418	-97.040300	41.1	41.1	40.8	-0.3	41.4	41.1	-0.3	
State Park	Ray Roberts Lake State Park - Elm Fork	Pri30069	Texas	477.1	33.358548	-97.030339	40.7	40.8	40.5	-0.3	41.1	40.9	-0.2	
State Park	Ray Roberts Lake State Park - Greenbelt	Pri29322	Texas	3952.1	33.259954	-97.061427	42.4	42.5	42.3	-0.2	42.6	42.4	-0.2	
State Park	Ray Roberts Lake State Park - Greenbelt	Pri29568	Texas	3952.1	33.268085	-97.051478	42.2	42.2	41.9	-0.3	42.3	42.0	-0.3	
State Park	Ray Roberts Lake State Park - Greenbelt	Pri29810	Texas	3952.1	33.243237	-97.042072	42.2	42.2	42.1	-0.1	42.4	42.3	-0.1	
State Park	Ray Roberts Lake State Park - Greenbelt	Pri29811	Texas	3952.1	33.251482	-97.041936	42.0	42.1	41.9	-0.2	42.3	42.1	-0.2	
State Park	Ray Roberts Lake State Park - Greenbelt	Pri29812	Texas	3952.1	33.259727	-97.041800	42.0	42.0	41.8	-0.2	42.2	41.9	-0.3	
State Park	Ray Roberts Lake State Park - Greenbelt	Pri29813	Texas	3952.1	33.267971	-97.041664	41.9	41.9	41.7	-0.2	42.1	41.8	-0.3	
State Park	Ray Roberts Lake State Park - Greenbelt	Pri29814	Texas	3952.1	33.276216	-97.041527	41.8	41.8	41.5	-0.3	42.0	41.7	-0.3	

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State Park	Ray Roberts Lake State Park - Greenbelt	Pri29815	Texas	3952.1	33.284461	-97.041391	41.7	41.7	41.5	-0.2	41.9	41.6	-0.3	
State Park	Ray Roberts Lake State Park - Greenbelt	Pri29817	Texas	3952.1	33.300950	-97.041118	41.5	41.5	41.2	-0.3	41.8	41.4	-0.4	
State Park	Ray Roberts Lake State Park - Greenbelt	Pri29818	Texas	3952.1	33.309195	-97.040982	41.3	41.4	41.2	-0.2	41.7	41.4	-0.3	
State Park	Ray Roberts Lake State Park - Greenbelt	Pri30055	Texas	3952.1	33.243122	-97.032260	41.9	42.0	41.8	-0.2	42.3	42.1	-0.2	
State Park	Ray Roberts Lake State Park - Greenbelt	Pri30056	Texas	3952.1	33.251367	-97.032123	41.8	41.9	41.7	-0.2	42.1	41.8	-0.3	
State Park	Ray Roberts Lake State Park - Greenbelt	Pri30057	Texas	3952.1	33.259612	-97.031986	41.7	41.8	41.5	-0.3	42.0	41.7	-0.3	
State Park	Ray Roberts Lake State Park - Greenbelt	Pri30058	Texas	3952.1	33.267856	-97.031849	41.6	41.6	41.4	-0.2	41.9	41.6	-0.3	
State Park	Ray Roberts Lake State Park - Greenbelt	Pri30064	Texas	3952.1	33.317325	-97.031026	40.9	41.0	40.8	-0.2	41.4	41.1	-0.3	
State Park	Ray Roberts Lake State Park - Greenbelt	Pri30066	Texas	3952.1	33.333814	-97.030751	40.9	40.9	40.6	-0.3	41.2	41.0	-0.2	
State Park	Ray Roberts Lake State Park - Greenbelt	Pri30067	Texas	3952.1	33.342059	-97.030613	40.8	40.9	40.6	-0.3	41.2	41.0	-0.2	
State Park	Ray Roberts Lake State Park - Greenbelt	Pri30301	Texas	3952.1	33.251251	-97.022311	41.6	41.7	41.4	-0.3	42.0	41.7	-0.3	
State Park	Ray Roberts Lake State Park - Isle du Bois	Pri30317	Texas	1407.3	33.383166	-97.020099	40.0	40.1	40.0	-0.1	40.4	40.4	0.0	
State Park	Ray Roberts Lake State Park - Isle du Bois	Pri30318	Texas	1407.3	33.391411	-97.019960	39.9	39.9	39.9	0.0	40.2	40.3	0.1	
State Park	Ray Roberts Lake State Park - Isle du Bois	Pri30560	Texas	1407.3	33.366560	-97.010550	40.3	40.4	40.1	-0.3	40.8	40.6	-0.2	
State Park	Ray Roberts Lake State Park - Isle du Bois	Pri30561	Texas	1407.3	33.374805	-97.010411	40.2	40.2	40.0	-0.2	40.6	40.4	-0.2	
State Park	Ray Roberts Lake State Park - Isle du Bois	Pri30562	Texas	1407.3	33.383050	-97.010271	39.9	40.0	39.9	-0.1	40.4	40.3	-0.1	
State Park	Ray Roberts Lake State Park - Isle du Bois	Pri30563	Texas	1407.3	33.391294	-97.010132	39.8	39.8	39.7	-0.1	40.2	40.1	-0.1	
State Park	Ray Roberts Lake State Park - Johnson Branch	Pri29337	Texas	1696.8	33.383624	-97.059409	41.7	41.7	41.5	-0.2	41.9	41.7	-0.2	
State Park	Ray Roberts Lake State Park - Johnson Branch	Pri29340	Texas	1696.8	33.408358	-97.059004	41.3	41.2	41.4	0.2	41.3	41.5	0.2	
State Park	Ray Roberts Lake State Park - Johnson Branch	Pri29341	Texas	1696.8	33.416603	-97.058869	41.2	41.1	41.3	0.2	41.2	41.5	0.3	
State Park	Ray Roberts Lake State Park - Johnson Branch	Pri29342	Texas	1696.8	33.424847	-97.058734	41.1	41.0	41.3	0.3	41.1	41.5	0.4	

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Type of Resource	Location						2011	dB						
	Site Name	Gridpoint Location ID	State	Area (Acres)	Latitude	Longitude		N.A.	P.A.	Change	N.A.	P.A.	Change	
State Park	Ray Roberts Lake State Park - Johnson Branch	Pri29343	Texas	1696.8	33.433092	-97.058599	41.0	40.9	41.3	0.4	41.0	41.6	0.6	
State Park	Ray Roberts Lake State Park - Johnson Branch	Pri29585	Texas	1696.8	33.408245	-97.049174	40.7	40.7	40.9	0.2	40.8	41.1	0.3	
State Park	Ray Roberts Lake State Park - Johnson Branch	Pri29832	Texas	1696.8	33.424619	-97.039070	40.1	40.0	40.3	0.3	40.1	40.6	0.5	
State Park	Park - Jordan	Pri30564	Texas	600.4	33.399539	-97.009993	39.6	39.6	39.6	0.0	40.0	39.9	-0.1	
State Park	Park - Jordan	Pri30809	Texas	600.4	33.399421	-97.000163	39.7	39.7	39.5	-0.2	40.0	39.9	-0.1	
State Park	Park - Jordan	Pri31055	Texas	600.4	33.407548	-96.990193	39.6	39.6	39.5	-0.1	40.1	39.9	-0.2	
State Park	Park - Jordan	Pri31301	Texas	600.4	33.415673	-96.980221	39.7	39.7	39.7	0.0	40.2	40.1	-0.1	
State Park	Ray Roberts Lake State Park - Sanger	Pri28111	Texas	44.4	33.375936	-97.108677	43.1	43.1	42.8	-0.3	43.1	42.7	-0.4	
National Natural Landmark	Rayburn Samuel T. House	NNL_6_Raybur	Texas	2.5	33.569913	-96.207512	30.9	31.0	26.9	-4.1	31.4	28.2	-3.2	
State Park	RayRoberts Lake State Park - Elm Fork	4F_18_25_RayRob	Texas	477.1	33.352680	-97.038350	40.9	41.0	40.7	-0.3	41.3	41.0	-0.3	
State Park	RayRoberts Lake State Park - Greenbelt	4F_20_26_RayRob	Texas	3952.1	33.269990	-97.039160	41.8	41.8	41.5	-0.3	42.0	41.7	-0.3	
State Park	RayRoberts Lake State Park - Isle du Bois	4F_14_0_RayRob	Texas	1407.3	33.376690	-97.018090	40.1	40.2	40.1	-0.1	40.6	40.5	-0.1	
State Park	RayRoberts Lake State Park - Johnson Branch	4F_10_0_RayRob	Texas	1696.8	33.412600	-97.053570	41.0	40.8	41.0	0.2	41.0	41.3	0.3	
State Park	RayRoberts Lake State Park - Jordan	4F_11_0_RayRob	Texas	600.4	33.411280	-96.990080	39.5	39.6	39.5	-0.1	39.9	39.8	-0.1	
State Park	RayRoberts Lake State Park - Pecan Creek	4F_12_0_RayRob	Texas	7.7	33.429760	-97.102120	43.5	43.5	43.5	0.0	43.5	43.6	0.1	
State Park	RayRoberts Lake State Park - Pond Creek	4F_16_0_RayRob	Texas	10	33.387030	-97.107000	43.2	43.2	42.9	-0.3	43.2	42.9	-0.3	
State Park	RayRoberts Lake State Park - Sanger	4F_17_0_RayRob	Texas	44.4	33.377870	-97.108450	43.2	43.1	42.8	-0.3	43.2	42.8	-0.4	
State Park	RayRoberts Lake State Park - Trial Corridor	4F_13_0_RayRob	Texas	471.4	33.387740	-96.992390	39.9	40.0	39.8	-0.2	40.4	40.2	-0.2	
Local Park	Recreation Area	Sec17451	Texas	8137	33.926785	-96.971351	37.4	37.3	37.4	0.1	37.4	37.6	0.2	
Local Park	Recreation Area	Sec17636	Texas	8137	33.943029	-96.951283	36.9	36.8	36.9	0.1	36.9	37.1	0.2	
Local Park	Recreation Area	Pri28399	Texas	8137	33.730327	-97.093191	40.4	40.3	40.4	0.1	40.4	40.5	0.1	
Local Park	Recreation Area	Pri28406	Texas	8137	33.788032	-97.092265	39.4	39.4	39.4	0.0	39.4	39.5	0.1	

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	Site Name	Gridpoint Location ID	State	Area (Acres)	Latitude	Longitude		N.A.	P.A.	Change	N.A.	P.A.	Change	
Local Park	Recreation Area	Pri28407	Texas	8137	33.796276	-97.092133	39.2	39.2	39.3	0.1	39.3	39.4	0.1	
Local Park	Recreation Area	Pri28646	Texas	8137	33.746703	-97.083059	40.4	40.3	40.4	0.1	40.3	40.5	0.2	
Local Park	Recreation Area	Pri28647	Texas	8137	33.754947	-97.082925	40.2	40.1	40.2	0.1	40.2	40.4	0.2	
Local Park	Recreation Area	Pri28648	Texas	8137	33.763190	-97.082792	40.1	40.0	40.1	0.1	40.1	40.2	0.1	
Local Park	Recreation Area	Pri28652	Texas	8137	33.796165	-97.082259	39.6	39.5	39.6	0.1	39.6	39.7	0.1	
Local Park	Recreation Area	Pri28653	Texas	8137	33.804408	-97.082126	39.5	39.4	39.5	0.1	39.5	39.6	0.1	
Local Park	Recreation Area	Pri28658	Texas	8137	33.845625	-97.081459	38.7	38.7	38.8	0.1	38.8	38.9	0.1	
Local Park	Recreation Area	Pri28659	Texas	8137	33.853868	-97.081326	38.6	38.6	38.6	0.0	38.7	38.8	0.1	
Local Park	Recreation Area	Pri28898	Texas	8137	33.804296	-97.072251	39.7	39.6	39.7	0.1	39.7	39.8	0.1	
Local Park	Recreation Area	Pri28899	Texas	8137	33.812540	-97.072117	39.5	39.5	39.5	0.0	39.6	39.7	0.1	
Local Park	Recreation Area	Pri28903	Texas	8137	33.845513	-97.071580	39.0	39.0	39.1	0.1	39.1	39.2	0.1	
Local Park	Recreation Area	Pri28904	Texas	8137	33.853757	-97.071446	38.9	38.8	38.9	0.1	38.9	39.0	0.1	
Local Park	Recreation Area	Pri29143	Texas	8137	33.804184	-97.062377	39.8	39.7	39.8	0.1	39.8	39.9	0.1	
Local Park	Recreation Area	Pri29144	Texas	8137	33.812428	-97.062242	39.7	39.6	39.7	0.1	39.7	39.8	0.1	
Local Park	Recreation Area	Pri29149	Texas	8137	33.853644	-97.061566	39.1	39.0	39.1	0.1	39.1	39.3	0.2	
Local Park	Recreation Area	Pri29388	Texas	8137	33.804071	-97.052502	39.8	39.7	39.8	0.1	39.8	40.0	0.2	
Local Park	Recreation Area	Pri29389	Texas	8137	33.812314	-97.052366	39.7	39.6	39.7	0.1	39.7	39.8	0.1	
Local Park	Recreation Area	Pri29393	Texas	8137	33.845288	-97.051822	39.3	39.2	39.3	0.1	39.3	39.5	0.2	
Local Park	Recreation Area	Pri29637	Texas	8137	33.836930	-97.042079	39.3	39.2	39.3	0.1	39.3	39.5	0.2	
Local Park	Recreation Area	Pri29882	Texas	8137	33.836816	-97.032201	39.2	39.1	39.2	0.1	39.2	39.4	0.2	
Local Park	Recreation Area	Pri30127	Texas	8137	33.836700	-97.022323	38.9	38.9	39.0	0.1	39.0	39.2	0.2	
Local Park	Recreation Area	Pri30128	Texas	8137	33.844943	-97.022184	38.9	38.8	39.0	0.2	39.0	39.2	0.2	
Local Park	Recreation Area	Pri30371	Texas	8137	33.828340	-97.012585	38.6	38.7	38.8	0.1	38.7	38.9	0.2	
Local Park	Recreation Area	Pri30372	Texas	8137	33.836584	-97.012445	38.7	38.6	38.8	0.2	38.7	38.9	0.2	
Local Park	Recreation Area	Pri30373	Texas	8137	33.844827	-97.012305	38.6	38.6	38.7	0.1	38.7	38.9	0.2	
Local Park	Recreation Area	Pri30374	Texas	8137	33.853070	-97.012165	38.6	38.5	38.7	0.2	38.7	38.9	0.2	
Local Park	Recreation Area	Pri30620	Texas	8137	33.861196	-97.002144	38.3	38.2	38.4	0.2	38.3	38.6	0.3	
Local Park	Recreation Area	Pri30865	Texas	8137	33.861078	-96.992263	38.0	37.9	38.1	0.2	38.0	38.2	0.2	

Appendix F: Section 4(f) Resources

Type of Resource	Location						2011	dB					
	Site Name	Gridpoint Location ID	State	Area (Acres)	Latitude	Longitude		N.A.	P.A.	Change	N.A.	P.A.	
Local Park	Recreation Area	Pri30866	Texas	8137	33.869322	-96.992121	38.0	37.9	38.1	0.2	38.0	38.3	0.3
Local Park	Recreation Area	Pri31110	Texas	8137	33.860960	-96.982382	37.7	37.7	37.8	0.1	37.7	37.8	0.1
Local Park	Recreation Area	Pri31112	Texas	8137	33.877446	-96.982096	37.7	37.6	37.8	0.2	37.7	37.9	0.2
Local Park	RecreationArea	4f_1038_Recreati	Texas	8137	33.903250	-96.980310	37.6	37.5	37.7	0.2	37.6	37.8	0.2
Local Park	RedBirdPark	4f_1039_RedBirdP	Texas	28.7	32.683950	-96.853670	45.4	45.6	44.8	-0.8	45.9	44.9	-1.0
Local Park	RennerPark	4f_1040_RennerPa	Texas	4.1	32.733940	-96.801960	48.1	48.3	47.8	-0.5	48.9	48.2	-0.7
Local Park	ReverchonPark	4f_1041_Revercho	Texas	66.3	32.801340	-96.810160	57.9	58.3	58.5	0.2	59.7	59.9	0.2
Local Park	RichardsPark	4f_1042_Richards	Texas	8.8	32.385710	-96.855510	38.9	39.1	39.0	-0.1	39.8	39.8	0.0
Local Park	RichfieldPark	4f_1043_Richfiel	Texas	38	32.865210	-97.225950	45.3	45.2	45.1	-0.1	45.4	45.3	-0.1
Local Park	RidgewoodPark	4f_1044_Ridgewoo	Texas	10.1	32.846360	-96.744420	47.2	47.2	46.3	-0.9	47.5	46.7	-0.8
Local Park	RivercrestPark	4f_1046_Rivercre	Texas	17.8	32.926280	-96.603820	45.8	45.8	44.6	-1.2	46.1	45.1	-1.0
Local Park	RiverLegacyPark	4f_1045_RiverLeg	Texas	116.8	32.789540	-97.114600	52.0	52.2	52.3	0.1	52.5	52.6	0.1
Local Park	RJMclnnishPark	4f_1033_RJMclnni	Texas	168.5	32.959850	-96.940110	45.0	45.0	44.7	-0.3	45.4	44.9	-0.5
Local Park	RobertELeePark	4f_1047_RobertEL	Texas	52.9	32.819860	-96.799800	54.5	54.8	54.1	-0.7	55.7	55.1	-0.6
Local Park	Robertson Park	Pri42996	Texas	128.4	32.873179	-96.520408	45.3	45.2	45.4	0.2	45.4	45.8	0.4
Local Park	RobertsonPark	4f_1048_Robertso	Texas	128.4	32.871820	-96.517640	45.2	45.1	45.4	0.3	45.3	45.8	0.5
Local Park	Rochester Park	Pri37343	Texas	1057.4	32.728140	-96.748063	47.4	47.6	48.2	0.6	48.1	48.6	0.5
Local Park	Rochester Park	Pri37588	Texas	1057.4	32.728002	-96.738308	46.9	47.0	48.6	1.6	47.5	49.1	1.6
Local Park	Rochester Park	Pri37590	Texas	1057.4	32.744492	-96.737981	49.1	49.4	51.2	1.8	50.0	51.5	1.5
Local Park	RochesterPark	4f_1049_Rocheste	Texas	1057.4	32.734730	-96.744570	48.0	48.2	49.3	1.1	48.7	49.8	1.1
Local Park	Rock Creek Camp Park	Pri33315	Texas	517.3	33.859856	-96.893455	36.9	36.6	36.5	-0.1	36.6	36.5	-0.1
Local Park	RockCreekCampPark	4f_1050_RockCree	Texas	517.3	33.868910	-96.890720	36.9	36.6	36.5	-0.1	36.6	36.4	-0.2
Local Park	Rockledge Park	Pri29533	Texas	153.1	32.979509	-97.056200	61.1	61.5	61.5	0.0	62.1	62.1	0.0
Local Park	RockledgePark	4f_1051_Rockledg	Texas	153.1	32.982360	-97.056610	60.6	60.9	61.0	0.1	61.5	61.5	0.0
Local Park	RockwoodPark	4f_1052_Rockwood	Texas	40	32.767460	-97.363070	48.3	48.3	48.3	0.0	48.1	48.1	0.0
Local Park	Rocky Creek Park	Pri19686	Texas	366.7	32.595877	-97.452111	33.9	33.9	35.5	1.6	34.0	35.7	1.7
Local Park	RockyCreekPark	4f_1053_RockyCre	Texas	366.7	32.605520	-97.455300	34.6	34.6	36.2	1.6	34.7	36.4	1.7
Local Park	RodeoPark	4f_1054_RodeoPar	Texas	11.3	32.793110	-97.351560	52.9	52.8	52.8	0.0	52.3	52.4	0.1

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	Site Name	Gridpoint Location ID	State	Area (Acres)	Latitude	Longitude		N.A.	P.A.	Change	N.A.	P.A.	Change	
Local Park	RogerMaisePark	4f_1055_RogerMai	Texas	7.9	32.340230	-96.623590	28.9	29.0	27.4	-1.6	29.1	27.5	-1.6	
Local Park	RollingHillsPark	4f_1056_RollingH	Texas	65	32.673250	-97.285940	43.2	42.9	43.5	0.6	42.9	43.5	0.6	
Local Park	RooseveltPark	4f_1057_Roosevel	Texas	16.7	32.746310	-96.720740	47.7	47.9	49.8	1.9	48.4	50.0	1.6	
Local Park	RosedalePark	4f_1059_Rosedale	Texas	5.7	33.627060	-96.591680	35.0	35.1	34.9	-0.2	35.5	35.2	-0.3	
Local Park	RosedalePark	4f_1060_Rosedale	Texas	4.6	32.729700	-97.243010	47.0	47.2	47.4	0.2	47.4	47.6	0.2	
Local Park	RosehillPark	4f_1061_Rosehill	Texas	3.3	32.860190	-96.590000	46.4	46.4	45.2	-1.2	46.7	45.5	-1.2	
Local Park	RosemontPark	4f_1062_Rosemont	Texas	28.1	32.686330	-97.342100	43.1	42.8	44.4	1.6	42.7	44.2	1.5	
Local Park	RosePark	4f_1058_RosePark	Texas	6.1	32.866170	-96.601810	46.7	46.7	45.2	-1.5	46.9	45.5	-1.4	
Local Park	RoyalPark	4f_1063_RoyalPar	Texas	10.1	32.897250	-96.863290	45.9	45.9	45.8	-0.1	46.6	46.4	-0.2	
Local Park	RugelPark	4f_1064_RugelPar	Texas	43.2	32.784190	-96.638870	46.0	46.2	46.3	0.1	46.6	46.9	0.3	
Local Park	RutherfordPark	4f_1065_Rutherfo	Texas	9.8	32.753280	-96.576370	44.9	45.0	45.0	0.0	45.6	45.5	-0.1	
Local Park	S R A Park	Pri55984	Texas	24.1	32.888599	-96.001948	42.2	42.2	41.5	-0.7	42.5	41.8	-0.7	
Local Park	SagamorePark	4f_1067_Sagamore	Texas	6.3	32.736640	-97.251690	47.5	47.7	47.8	0.1	47.9	48.0	0.1	
Local Park	SaladoPark	4f_1068_SaladoPa	Texas	5.3	32.972060	-96.776950	47.9	48.0	47.7	-0.3	48.0	47.8	-0.2	
Local Park	SamuelGarlandPark	4f_1069_SamuelGa	Texas	50.7	32.866880	-96.672500	47.1	47.1	45.7	-1.4	47.5	46.1	-1.4	
Local Park	SamuellNewHopePark	4f_1070_SamuellN	Texas	119.8	32.808320	-96.589840	45.0	45.0	45.1	0.1	45.3	45.3	0.0	
Local Park	SamuellPark	4f_1071_SamuellP	Texas	108.7	32.795210	-96.741000	50.0	50.2	49.6	-0.6	50.4	49.8	-0.6	
Local Park	SamuellPark	4f_1072_SamuellP	Texas	610.7	32.787390	-96.587360	44.9	45.0	45.3	0.3	45.3	45.6	0.3	
Local Park	SandybrookPark	4f_1074_Sandybro	Texas	2.8	32.773210	-97.204700	50.6	50.8	50.7	-0.1	51.1	50.9	-0.2	
Local Park	SandyLanePark	4f_1073_SandyLan	Texas	28.1	32.748240	-97.196100	50.0	50.2	50.1	-0.1	50.5	50.3	-0.2	
Local Park	SargentPark	4f_1075_SargentP	Texas	20.3	32.724810	-96.772450	47.9	48.0	47.4	-0.6	48.5	47.9	-0.6	
Local Park	SawersPark	4f_1076_SawersPa	Texas	5.2	32.828800	-96.988470	51.4	51.5	51.3	-0.2	51.7	51.5	-0.2	
Local Park	SeabournPark	4f_1077_Seabourn	Texas	8.7	32.758490	-96.631980	45.4	45.5	46.0	0.5	45.8	46.6	0.8	
Local Park	SeatonPark	4f_1078_SeatonPa	Texas	4.1	32.708460	-96.762430	46.5	46.5	46.1	-0.4	47.1	46.6	-0.5	
Local Park	SeminaryHillPark	4f_1079_Seminary	Texas	9.5	32.671120	-97.347080	41.9	41.7	43.2	1.5	41.3	43.0	1.7	
Local Park	SenterPark	4f_1080_SenterPa	Texas	28.8	32.803250	-96.946860	49.0	49.1	49.2	0.1	49.3	49.4	0.1	
Local Park	ShandsPark	4f_1081_ShandsPa	Texas	7.5	32.836000	-96.641630	47.0	47.0	46.2	-0.8	47.3	46.5	-0.8	
Local Park	ShannonPark	4f_1082_ShannonP	Texas	3.7	32.588530	-96.315040	30.4	30.5	29.5	-1.0	31.0	29.5	-1.5	

Appendix F: Section 4(f) Resources

Type of Resource	Location						2011	dB						
	Site Name	Gridpoint Location ID	State	Area (Acres)	Latitude	Longitude		N.A.	P.A.	Change	N.A.	P.A.	Change	
Local Park	ShawneePark	4f_1083_ShawneeP	Texas	35	33.043420	-96.688160	43.2	42.8	43.8	1.0	43.2	44.9	1.7	
National Recreation Area	Sheppard AFB Recreation Area	4F_3_27_Sheppa	Texas	320.1	33.877680	-96.896380	37.1	36.7	36.6	-0.1	36.7	36.5	-0.2	
National Recreation Area	Sheppard AFB Recreation Area	Pri33317	Texas	320.1	33.876343	-96.893152	37.0	36.6	36.5	-0.1	36.6	36.4	-0.2	
Local Park	ShorewoodPark	4f_1084_Shorewoo	Texas	13	32.906270	-96.513170	46.2	46.2	45.0	-1.2	46.4	45.4	-1.0	
Local Park	ShoshoniPark	4f_1085_Shoshoni	Texas	4.4	33.016700	-96.669300	43.1	42.9	43.2	0.3	43.1	43.5	0.4	
Local Park	Silver Lake Park	Pri29532	Texas	365.1	32.971264	-97.056334	62.2	62.5	62.5	0.0	63.1	63.1	0.0	
Local Park	Silver Lake Park	Pri29777	Texas	365.1	32.971150	-97.046552	58.7	59.0	59.1	0.1	59.5	59.6	0.1	
Local Park	SilverLakePark	4f_1086_SilverLa	Texas	365.1	32.965030	-97.051900	62.7	63.1	63.1	0.0	63.6	63.7	0.1	
Local Park	SingingHillsPark	4f_1087_SingingH	Texas	62.8	32.669280	-96.796890	44.3	44.4	43.8	-0.6	45.1	44.4	-0.7	
Local Park	SkylinePark	4f_1088_SkylineP	Texas	29.6	32.885200	-96.727780	46.1	46.1	44.4	-1.7	46.9	45.3	-1.6	
Local Park	SmithPark	4f_1089_SmithPar	Texas	3	32.858310	-96.802530	47.1	47.0	46.8	-0.2	47.3	47.1	-0.2	
Local Park	SouthCentralPark	4f_1090_SouthCen	Texas	4.1	32.717130	-96.744520	46.2	46.3	46.9	0.6	46.7	47.4	0.7	
Local Park	SouthSideCityPark	4f_1091_SouthSid	Texas	15.6	32.641350	-96.913950	41.8	42.0	42.0	0.0	42.5	42.5	0.0	
Local Park	SouthwestPark	4f_1092_Southwes	Texas	43.7	32.653070	-97.385390	42.2	42.1	43.5	1.4	41.8	43.4	1.6	
Local Park	SouthwestPark	4f_1093_Southwes	Texas	20	32.800420	-96.984280	55.1	55.2	55.1	-0.1	55.4	55.4	0.0	
Local Park	SpringPark	4f_1094_SpringPa	Texas	6	32.346140	-96.835300	38.1	38.3	38.2	-0.1	38.9	38.8	-0.1	
Local Park	SquirePark	4f_1095_SquirePa	Texas	6.1	32.920770	-96.866030	47.4	47.5	47.2	-0.3	48.1	48.1	0.0	
Local Park	SRAPark	4f_1066_SRAPark	Texas	24.1	32.886160	-96.001610	42.4	42.3	41.6	-0.7	42.6	41.9	-0.7	
Local Park	StAugustinePark	4f_1096_StAugust	Texas	13.5	32.738630	-96.655550	44.6	44.6	45.3	0.7	44.9	45.6	0.7	
Local Park	Steeles Creek Park	Pri19369	Texas	547.7	32.002262	-97.468736	25.5	25.1	29.7	4.6	24.9	29.7	4.8	
Local Park	Steeles Creek Park	Pri20105	Texas	547.7	32.010262	-97.439610	27.1	26.4	32.6	6.2	26.1	32.6	6.5	
Local Park	SteelesCreekPark	4f_1098_SteelesC	Texas	547.7	32.006150	-97.455280	26.2	25.7	31.8	6.1	25.4	31.9	6.5	
Local Park	StevensPark	4f_1099_StevensP	Texas	27	32.756900	-96.857700	50.3	50.4	50.5	0.1	50.7	50.8	0.1	
Local Park	StewartsCreekPark	4f_1100_Stewarts	Texas	174.9	33.085740	-96.919490	46.7	46.9	46.5	-0.4	47.2	46.8	-0.4	
Local Park	StFrancisPark	4f_1097_StFranci	Texas	9.6	32.809860	-96.709410	48.2	48.3	47.7	-0.6	48.6	48.5	-0.1	
Local Park	SugarBerryPark	4f_1101_SugarBer	Texas	22.6	32.642560	-96.945890	42.2	42.3	42.3	0.0	42.8	42.7	-0.1	
Local Park	SunsetPark	4f_1102_SunsetPa	Texas	6	32.816640	-97.470870	49.2	49.4	49.3	-0.1	49.6	49.6	0.0	
Local Park	Sycamore Bend Park	Pri29304	Texas	86.3	33.111545	-97.063842	46.3	46.5	46.4	-0.1	46.8	46.7	-0.1	

Type of Resource	Location						2011	dB						
	Site Name	Gridpoint Location ID	State	Area (Acres)	Latitude	Longitude		N.A.	P.A.	Change	N.A.	P.A.	Change	
Local Park	SycamoreBendPark	4f_1103_Sycamore	Texas	86.3	33.109130	-97.061690	46.5	46.7	46.7	0.0	47.1	47.0	-0.1	
Local Park	SycamorePark	4f_1104_Sycamore	Texas	135	32.733180	-97.294820	46.9	46.8	47.0	0.2	46.9	47.1	0.2	
Local Park	SylvaniaPark	4f_1105_Sylvania	Texas	32.4	32.777410	-97.293110	48.5	48.6	48.5	-0.1	48.7	48.6	-0.1	
Local Park	TandyHillsPark	4f_1107_TandyHil	Texas	153	32.748300	-97.273210	47.9	48.1	47.8	-0.3	48.2	48.0	-0.2	
Local Park	TerracePark	4f_1108_TerraceP	Texas	9.8	32.951670	-96.719250	45.5	45.6	45.0	-0.6	45.6	44.9	-0.7	
Local Park	ThomasHillPark	4f_1109_ThomasHi	Texas	71.7	32.736890	-96.815110	48.0	48.2	47.8	-0.4	48.7	48.2	-0.5	
Local Park	ThomasPark	4f_1110_ThomasPa	Texas	8.5	32.964290	-96.899880	47.0	47.1	47.5	0.4	47.7	47.7	0.0	
Local Park	TietzPark	4f_1111_TietzPar	Texas	10.1	32.823430	-96.760730	48.5	48.7	47.9	-0.8	49.1	48.2	-0.9	
Local Park	TimberCreekPark	4f_1112_TimberCr	Texas	16.4	32.676620	-97.446310	45.8	45.9	46.4	0.5	46.1	46.7	0.6	
Local Park	TinsleyPark	4f_1113_TinsleyP	Texas	16.8	32.886160	-96.651710	46.4	46.5	44.9	-1.6	46.8	45.5	-1.3	
Local Park	TiptonPark	4f_1114_TiptonPa	Texas	29.2	32.788570	-96.879480	50.3	50.4	50.4	0.0	50.7	50.7	0.0	
Local Park	TisingerPark	4f_1115_Tisinger	Texas	4.3	32.786260	-96.608050	45.6	45.7	45.6	-0.1	46.2	46.0	-0.2	
Local Park	TownEastPark	4f_1116_TownEast	Texas	31.5	32.804690	-96.636440	46.4	46.5	46.1	-0.4	47.0	46.4	-0.6	
Local Park	TPark	4f_1106_TPark	Texas	29.9	32.539460	-97.330330	37.3	36.9	35.7	-1.2	36.7	35.3	-1.4	
Local Park	TraderOakPark	4f_1117_TraderOa	Texas	4.1	32.774250	-97.331510	47.3	47.3	47.4	0.1	47.5	47.5	0.0	
Local Park	Trinity Park	Pri21908	Texas	308.1	32.735284	-97.362651	47.2	47.2	47.0	-0.2	46.8	46.6	-0.2	
Local Park	Trinity Park Trinity River Greenbelt	Pri22154	Texas	308.1	32.743440	-97.352788	48.2	48.1	47.8	-0.3	47.8	47.5	-0.3	
Local Park	Trinity River Greenbelt Park	Pri32949	Texas	3383	32.862415	-96.921303	46.6	46.5	46.2	-0.3	47.2	46.8	-0.4	
Local Park	Trinity River Greenbelt Park	Pri33194	Texas	3383	32.862291	-96.911534	47.9	48.0	47.7	-0.3	48.8	48.5	-0.3	
Local Park	Trinity River Greenbelt Park	Pri33432	Texas	3383	32.804449	-96.902804	49.4	49.5	49.6	0.1	49.8	49.9	0.1	
Local Park	Trinity River Greenbelt Park	Pri33438	Texas	3383	32.853920	-96.901913	48.3	48.4	48.2	-0.2	49.3	49.0	-0.3	
Local Park	Trinity River Greenbelt Park	Pri33676	Texas	3383	32.796078	-96.893190	49.8	49.9	50.0	0.1	50.1	50.2	0.1	
Local Park	Trinity River Greenbelt Park	Pri33927	Texas	3383	32.845423	-96.882526	50.2	50.5	50.3	-0.2	51.5	51.4	-0.1	
Local Park	Trinity River Greenbelt Park	Pri34656	Texas	3383	32.795568	-96.854142	49.8	49.9	49.9	0.0	50.4	50.4	0.0	
Local Park	Trinity River Greenbelt Park	Pri34901	Texas	3383	32.795438	-96.844379	50.5	50.8	50.7	-0.1	51.5	51.4	-0.1	

Appendix F: Section 4(f) Resources

Type of Resource	Location						2011	dB						
	Site Name	Gridpoint Location ID	State	Area (Acres)	Latitude	Longitude		N.A.	P.A.	Change	N.A.	P.A.	Change	
Local Park	Trinity River Greenbelt Park	Pri35390	Texas	3383	32.786931	-96.825011	52.2	52.4	52.3	-0.1	53.2	53.1	-0.1	
Local Park	Trinity River Greenbelt Park	Pri35877	Texas	3383	32.761932	-96.805961	50.7	50.9	50.8	-0.1	51.4	51.2	-0.2	
Local Park	TrinityPark	4f_1118_TrinityP	Texas	308.1	32.741100	-97.358920	47.8	47.8	47.4	-0.4	47.4	47.0	-0.4	
Local Park	TrinityRiverGreenbeltPark	4f_1119_TrinityR	Texas	3383	32.797440	-96.874370	49.3	49.4	49.5	0.1	49.7	49.7	0.0	
Local Park	TrinityViewPark	4f_1120_TrinityV	Texas	141.9	32.806070	-96.908020	49.2	49.3	49.4	0.1	49.6	49.7	0.1	
Local Park	TrothAbionPark	4f_1121_TrothAbi	Texas	33	32.864240	-96.626350	46.9	46.9	45.5	-1.4	47.1	45.7	-1.4	
Local Park	TurnerPark	4f_1122_TurnerPa	Texas	37.1	32.752460	-96.996560	51.7	51.8	52.0	0.2	52.2	52.2	0.0	
Local Park	TwinGrovesPark	4f_1123_TwinGrov	Texas	136.2	33.164120	-96.442650	33.5	33.5	35.3	1.8	34.3	36.5	2.2	
Local Park	TwinLakesPark	4f_1124_TwinLake	Texas	9.2	32.978290	-96.773590	47.4	47.5	47.4	-0.1	47.7	47.8	0.1	
Local Park	UmphressPark	4f_1125_Umphress	Texas	15	32.743350	-96.690230	45.9	46.0	46.9	0.9	46.4	47.3	0.9	
Local Park	UrbanPark	4f_1126_UrbanPar	Texas	2.8	32.777450	-96.704990	47.8	48.0	47.8	-0.2	48.5	48.3	-0.2	
Local Park	ValleyViewPark	4f_1127_ValleyVi	Texas	35.6	32.926360	-96.783480	46.7	46.7	46.1	-0.6	47.1	46.4	-0.7	
Local Park	ValleyWestPark	4f_1128_ValleyWe	Texas	1.3	32.710840	-97.466570	45.9	45.9	46.4	0.5	46.1	46.6	0.5	
Local Park	VandergriffPark	4f_1129_Vandergr	Texas	83.5	32.698100	-97.111500	48.5	48.7	48.5	-0.2	48.8	48.6	-0.2	
Local Park	VanstonPark	4f_1130_VanstonP	Texas	13.9	32.826160	-96.644590	46.9	46.9	46.4	-0.5	47.4	46.7	-0.7	
Local Park	VeteranPark	4f_1131_VeteranP	Texas	142.6	32.702300	-97.164970	46.0	46.3	45.9	-0.4	46.5	46.2	-0.3	
Local Park	VeteransPark	4f_1132_Veterans	Texas	22.3	32.694470	-96.784030	46.0	46.0	45.6	-0.4	46.6	46.3	-0.3	
Local Park	VictoriaPark	4f_1133_Victoria	Texas	22.6	32.857160	-96.985670	48.1	47.9	47.6	-0.3	48.1	47.7	-0.4	
Local Park	VillageCreekPark	4f_1134_VillageC	Texas	24.4	32.696980	-97.253630	45.2	45.3	45.5	0.2	45.5	45.6	0.1	
Local Park	WaggonerPark	4f_1135_Waggoner	Texas	53	32.771810	-97.025060	55.3	55.5	55.5	0.0	55.8	55.8	0.0	
Local Park	WahooPark	4f_1136_WahooPar	Texas	18.1	32.773390	-96.736270	50.2	50.5	50.6	0.1	50.7	51.3	0.6	
Local Park	Walnut Creek Park	Pri34535	Texas	431.2	33.818001	-96.844830	37.9	37.9	37.9	0.0	38.3	38.4	0.1	
Local Park	Walnut Creek Park	Pri34778	Texas	431.2	33.801384	-96.835267	38.3	38.3	38.3	0.0	38.7	38.8	0.1	
Local Park	WalnutCreekPark	4f_1137_WalnutCr	Texas	431.2	33.808960	-96.840830	38.1	38.1	38.2	0.1	38.5	38.6	0.1	
Local Park	WalnutHillPark	4f_1138_WalnutHi	Texas	10.6	32.881450	-96.839460	45.7	45.6	45.5	-0.1	46.0	45.9	-0.1	
Local Park	WaterlooPark	4f_1139_Waterloo	Texas	203.9	33.743020	-96.569750	38.4	38.5	38.5	0.0	38.9	38.9	0.0	
Local Park	WaterworthPark	4f_1140_Waterwor	Texas	9	32.922950	-96.889480	50.1	50.4	51.5	1.1	51.3	53.8	2.5	
Local Park	WatsonPark	4f_1141_WatsonPa	Texas	9.9	32.923120	-96.691520	44.8	44.8	43.6	-1.2	45.2	43.8	-1.4	

Type of Resource	Location						2011	dB						
	Site Name	Gridpoint Location ID	State	Area (Acres)	Latitude	Longitude		N.A.	P.A.	Change	N.A.	P.A.	Change	
Local Park	Waxahachie Creek Park	Pri39250	Texas	207.1	32.290029	-96.678990	26.3	26.3	27.1	0.8	26.7	27.5	0.8	
Local Park	WaxahachieCreekPark	4f_1142_Waxahach	Texas	207.1	32.291810	-96.686060	26.7	26.7	27.5	0.8	27.1	27.8	0.7	
Local Park	Webb Park	Pri29242	Texas	827.7	32.600333	-97.072099	45.1	45.2	45.7	0.5	45.2	45.8	0.6	
Local Park	Webb Park	Pri29487	Texas	827.7	32.600220	-97.062358	45.1	45.1	45.6	0.5	45.2	45.8	0.6	
Local Park	Webb Park	Pri29489	Texas	827.7	32.616711	-97.062091	45.5	45.6	46.2	0.6	45.7	46.4	0.7	
Local Park	WebbPark	4f_1143_WebbPark	Texas	827.7	32.602240	-97.068610	45.1	45.1	45.6	0.5	45.3	45.9	0.6	
Local Park	WedgeworthPark	4f_1144_Wedgewor	Texas	29.7	32.652980	-97.369610	42.0	41.8	43.1	1.3	40.5	42.3	1.8	
Local Park	WeissPark	4f_1145_WeissPar	Texas	18.1	32.733140	-96.877240	47.8	47.9	47.7	-0.2	48.2	48.0	-0.2	
Local Park	WestcreekPark	4f_1149_Westcree	Texas	18.6	32.655890	-97.354660	42.2	42.1	43.2	1.1	40.3	42.1	1.8	
Local Park	WestDallasHousingPark	4f_1146_WestDall	Texas	126	32.782760	-96.864670	50.6	50.7	50.5	-0.2	51.1	50.9	-0.2	
Local Park	WesthavenPark	4f_1150_Westhave	Texas	19.2	32.711020	-96.896380	46.2	46.3	46.0	-0.3	46.6	46.2	-0.4	
Local Park	Westlake Park	Pri31018	Texas	684.6	33.102492	-96.995402	46.7	46.8	46.6	-0.2	47.1	46.8	-0.3	
Local Park	Westlake Park	Pri31262	Texas	684.6	33.094128	-96.985747	46.7	46.8	46.6	-0.2	47.2	47.0	-0.2	
Local Park	WestLakePark	4f_1147_WestLake	Texas	33.6	32.772170	-96.616790	45.7	45.8	46.0	0.2	46.4	46.5	0.1	
Local Park	WestlakePark	4f_1151_Westlake	Texas	684.6	33.102060	-96.995170	46.7	46.8	46.6	-0.2	47.1	46.8	-0.3	
Local Park	WestmorelandPark	4f_1152_Westmore	Texas	10.3	32.721580	-96.879230	47.2	47.3	47.0	-0.3	47.4	47.1	-0.3	
Local Park	WestPark	4f_1148_WestPark	Texas	19.9	32.828520	-97.123760	45.2	45.1	45.2	0.1	45.4	45.4	0.0	
Local Park	White Rock Lake Park	Pri37845	Texas	2777.2	32.826803	-96.726578	48.3	48.3	47.4	-0.9	48.7	47.8	-0.9	
Local Park	White Rock Lake Park	Pri37848	Texas	2777.2	32.851538	-96.726083	47.3	47.3	46.4	-0.9	47.7	47.5	-0.2	
Local Park	White Rock Lake Park	Pri38091	Texas	2777.2	32.834909	-96.716647	48.0	48.1	47.2	-0.9	48.5	48.1	-0.4	
Local Park	WhiteRockLakePark	4f_1153_WhiteRoc	Texas	2777.2	32.845380	-96.724060	47.6	47.7	46.6	-1.1	48.1	47.6	-0.5	
Local Park	WilliamHoustonPark	4f_1154_WilliamH	Texas	8.7	32.875780	-97.388650	47.7	47.8	46.7	-1.1	48.0	46.8	-1.2	
Local Park	WilliamMcDonaldPark	4f_1155_WilliamM	Texas	58.2	32.704450	-97.238030	45.6	45.8	45.8	0.0	46.0	45.9	-0.1	
Local Park	WillowCreekPark	4f_1156_WillowCr	Texas	17.3	33.028730	-96.684490	43.3	43.1	43.6	0.5	43.3	44.1	0.8	
Local Park	WillowCreekPark	4f_1157_WillowCr	Texas	52.4	32.851780	-97.379260	48.6	48.8	48.1	-0.7	48.9	48.3	-0.6	
Local Park	WillowGrovePark	4f_1158_WillowGr	Texas	191.9	33.124070	-97.014930	45.8	45.9	45.6	-0.3	46.2	45.8	-0.4	
Local Park	WindPointPark	4f_1159_WindPoin	Texas	312.5	32.959680	-95.994950	39.3	39.3	39.9	0.6	39.6	40.1	0.5	
Local Park	WinsomPark	4f_1160_WinsomPa	Texas	11.3	32.654950	-97.030150	46.5	46.6	46.7	0.1	47.0	47.1	0.1	

Appendix F: Section 4(f) Resources

Type of Resource	Location						2011	dB						
	Site Name	Gridpoint Location ID	State	Area (Acres)	Latitude	Longitude		N.A.	P.A.	Change	N.A.	P.A.	Change	
Local Park	Wolf Creek Park	Pri37495	Texas	905	31.961214	-96.753392	32.9	33.0	33.1	0.1	33.6	33.7	0.1	
Local Park	Wolf Creek Park	Pri37740	Texas	905	31.961077	-96.743721	33.3	33.4	33.5	0.1	34.1	34.2	0.1	
Local Park	Wolf Creek Park	Pri37986	Texas	905	31.969183	-96.733888	33.9	34.1	34.2	0.1	34.7	34.8	0.1	
Local Park	Wolf Creek Park	Pri38475	Texas	905	31.960660	-96.714708	34.3	34.6	34.7	0.1	35.2	35.3	0.1	
Local Park	WolfCreekPark	4f_1161_WolfCree	Texas	905	31.965360	-96.738070	33.6	33.8	33.9	0.1	34.4	34.5	0.1	
Local Park	WoodlandPark	4f_1162_Woodland	Texas	7.6	32.723150	-97.159700	47.8	48.1	47.8	-0.3	48.3	48.0	-0.3	
Local Park	WoodlandPark	4f_1163_Woodland	Texas	21	32.968170	-96.750880	47.6	47.6	47.3	-0.3	47.2	46.9	-0.3	
Local Park	WoodlandSpringsPark	4f_1164_Woodland	Texas	36.9	32.706290	-96.694130	43.7	43.7	47.1	3.4	44.3	47.7	3.4	
Local Park	WoodrowPark	4f_1165_WoodrowP	Texas	5.6	33.208820	-97.113010	41.8	41.8	41.9	0.1	42.0	42.1	0.1	
Local Park	WoodviewPark	4f_1166_Woodview	Texas	5	32.724240	-96.781870	47.7	47.9	47.3	-0.6	48.5	48.0	-0.5	
Local Park	WynnewoodPark	4f_1167_Wynnewoo	Texas	26.1	32.731950	-96.826890	47.5	47.7	47.5	-0.2	47.9	47.7	-0.2	
Local Park	Wynnwood Park	Pri32487	Texas	683.4	33.093524	-96.936772	47.4	47.6	47.0	-0.6	47.9	47.3	-0.6	
Local Park	Wynnwood Park	Pri32488	Texas	683.4	33.101769	-96.936626	46.5	46.6	46.1	-0.5	47.0	46.4	-0.6	
Local Park	WynnwoodPark	4f_1168_Wynnwood	Texas	683.4	33.095920	-96.935680	47.2	47.4	46.8	-0.6	47.7	47.1	-0.6	
Local Park	YalePark	4f_1169_YalePark	Texas	6.7	32.966940	-96.691390	44.5	44.6	44.7	0.1	44.6	44.7	0.1	
Local Park	YarboroughPark	4f_1170_Yarborou	Texas	1.8	32.933740	-96.634260	45.1	45.2	44.2	-1.0	45.5	44.7	-0.8	
Local Park	ZeiglerPark	4f_1171_ZeiglerP	Texas	13.3	32.584100	-96.864370	40.4	40.6	40.4	-0.2	41.6	41.2	-0.4	

Appendix G: Historic and Cultural Resources

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G.1 Inventory of Historic Resources

This appendix provides an inventory of historical and cultural resources identified and evaluated as part of the Environmental Assessment (EA) for the North Texas Optimization of Airspace Procedures in the Metroplex (North Texas OAPM) project.

G.1.1 Inventory

The inventory of historic and cultural resources includes all properties listed on the National Register of Historic Places (National Register) located within the General Study Area. Spatial data for these properties was downloaded from the National Park Service website (nrhp.focus.nps.gov/natreg/docs/Download.htm) in July 2012. This database was augmented in June 2013 with one additional property which was deemed eligible for listing on the National Register.

G.1.2 Consultation

On May 6, 2013, early notification letters and coordination packages announcing the preparation of an EA for the North Texas OAPM project were distributed to relevant public officials, including the State Historic Preservation Officers (SHPOs) for the states located within the General Study Area and two (2) Native American tribes. Four additional mailings (June 12, 2013, June 14, 2013, June 26, 2013 and July 9, 2013) were sent to additional recipients based on the responses to the first mailing. Recipients were requested to provide information relevant to the project. Responses were received from the following agencies:

- Texas Historical Commission
- National Park Service
- Bureau of Indian Affairs
- U.S. Department of Agriculture

The response letters are included in **Appendix A**.

G.1.3 Noise Exposure at Historic and Cultural Sites

Table G-1 identifies the 506 historic and cultural resources identified within the GSA and for which noise was modeled. The inventory includes the name, address, and geographical coordinates (latitude and longitude) of each historic resource, and presents the calculated noise exposure values under 2011 existing conditions and Proposed Action and No Action conditions for 2014 and 2019.

Table G-1 **Historic and Cultural Resources Inventory and Noise Exposure Results**

Grid Point Location ID	Historic Place Name	Location					E.C.	2011		2014		2019	
		Address	County	State	Latitude	Longitude		N.A.	P.A.	Change	N.A.	P.A.	Change
H_424_1926Repu	1926 Republic National Bank 4928 Bryan Street	300 N. Ervay/325 N. St. Paul St. 4928 Bryan Street	Dallas	Texas	32.782476	-96.801011	53.6	53.9	53.7	-0.2	54.9	54.6	-0.3
H_409_4928Brya	4928 Bryan Apartments	32.804406	-96.772366	52.1	52.4	51.6	-0.8	52.9	52.1	-0.8			
H_1_AdamsonF	Adamson, F. R., House	309 University	Ellis	Texas	32.401861	-96.854250	39.0	39.3	38.9	-0.4	40.1	39.7	-0.4
H_388_AdamsonW	Adamson, W.H., High School	201 E. 9th St. 1602 S. Trinity St.	Dallas	Texas	32.749182	-96.822682	49.0	49.1	48.9	-0.2	49.6	49.3	-0.3
H_2_Administ	Administration Building, Decatur Baptist College	200--500 Alcalde, 421--421A N.	Wise	Texas	33.222889	-97.586583	31.0	31.0	30.9	-0.1	31.4	31.3	-0.1
H_446_AlcaldeS	Alcalde Street--Crockett School Historic District	Carroll and 4315 Victor	Dallas	Texas	32.792799	-96.770370	54.2	54.4	53.9	-0.5	54.5	54.0	-0.5
H_3_Alderdic	Alderdice, J. M., House	1500 W. Main	Ellis	Texas	32.398056	-96.863917	39.5	39.7	39.4	-0.3	40.5	40.2	-0.3
H_4_Alderman	Alderman, G. H., House	317 E. Marvin	Ellis	Texas	31.943222	-96.858000	33.2	33.3	33.4	0.1	34.2	34.4	0.2
H_5_AllenCha	Allen Chapel AME Church	116 Elm St. N. of Exchange Pkwy on Cottonwood Creek	Tarrant	Texas	32.759167	-97.327528	47.2	47.2	47.1	-0.1	47.4	47.1	-0.3
H_402_AllenWat	Allen Water Station	Collin	Texas	33.118450	-96.665782	37.5	37.0	39.9	2.9	37.4	40.3	2.9	
H_6_AllenIRH	Allen, I. R., House	601 N. Dallas	Ellis	Texas	32.331306	-96.631167	30.1	30.2	28.5	-1.7	30.4	28.7	-1.7
H_412_American	American Airways Hanger and Administration Building	201 Aviation Wy.	Tarrant	Texas	32.823699	-97.356057	52.2	52.2	52.2	0.0	52.0	52.0	0.0
H_7_Anderson	Anderson, Neil P., Building	411 W. 7th St.	Tarrant	Texas	32.751083	-97.332583	47.5	47.5	47.1	-0.4	47.5	47.1	-0.4
H_8_AngleDMH	Angle, D. M., House	800 Beltline 200 W. Main St.	Dallas	Texas	32.589750	-96.958556	42.1	42.2	42.6	0.4	42.7	43.1	0.4
H_9_Arlingto	Arlington Post Office	113 S. Main St.	Tarrant	Texas	32.736389	-97.108556	50.2	50.4	50.1	-0.3	50.7	50.5	-0.2
H_10_AstonBui	Aston Building	605 N. Preston St.	Collin	Texas	33.162917	-96.359667	32.9	32.8	34.9	2.1	33.2	35.3	2.1
H_11_AtwoodEK	Atwood, E. K., House	319 Lipscomb St.	Ellis	Texas	32.329917	-96.633944	30.2	30.3	28.7	-1.6	30.5	28.9	-1.6
H_12_AustinSt	Austin, Stephen F., Elementary School	Tarrant	Texas	32.741389	-97.332778	47.5	47.5	47.3	-0.2	47.4	47.1	-0.3	

Appendix G: Historic and Cultural Resources

Grid Point Location ID	Location						2011 E.C.	2014			2019		
	Historic Place Name	Address	County	State	Latitude	Longitude		N.A.	P.A.	Change	N.A.	P.A.	Change
H_13_BakerHot	Baker Hotel	200 E. Hubbard St. 1.2 mi. N of Blum between TX 174 and	Palo Pinto	Texas	32.809778	-98.100417	38.7	38.8	39.6	0.8	39.0	39.9	0.9
H_502_BakerJTF	Baker, J. T., Farmstead	the Nolan R. 226 E. Pearl	Hill	Texas	32.157883	-97.388840	28.8	28.0	30.3	2.3	27.5	30.1	2.6
H_426_BakerCar	Baker--Carmichael House	St.	Hood	Texas	32.444388	-97.785963	28.8	29.0	26.6	-2.4	29.2	26.8	-2.4
H_14_BarkleyF	Barkley--Floyd House	709 N. Dallas 307 SW	Ellis	Texas	32.332583	-96.631778	30.1	30.2	28.4	-1.8	30.3	28.6	-1.7
H_15_Barnards	Barnard's Mill	Barnard St. 206 W.	Somervell	Texas	32.231806	-97.756667	27.7	27.7	26.3	-1.4	28.0	26.7	-1.3
H_16_Barringt	Barrington House	Belknap 2400 School	Ellis	Texas	32.329667	-96.630361	30.2	30.3	28.6	-1.7	30.4	28.8	-1.6
H_17_Bedfords	Bedford School	Ln 2115 Ross	Tarrant	Texas	32.846333	-97.150889	44.7	44.6	44.6	0.0	44.7	44.7	0.0
H_18_BeloAlfr	Belo, Alfred Horatio, House	Ave.	Dallas	Texas	32.788139	-96.798056	55.3	55.7	55.8	0.1	56.9	57.0	0.1
H_19_BentonMA	Benton, M. A., House	1730 6th Ave. 201 E.	Tarrant	Texas	32.725528	-97.340417	47.4	47.4	47.8	0.4	46.6	47.1	0.5
H_20_BerryJSH	Berry, J. S., House	University	Ellis	Texas	32.399528	-96.854083	39.0	39.2	38.9	-0.3	40.0	39.7	-0.3
H_21_BeverlyH	Beverly--Harris House	604 Parker	Collin	Texas	33.193583	-96.622361	35.5	35.5	35.4	-0.1	35.8	35.8	0.0
H_22_BianchiD	Bianchi, Didaco and Ida, House	4503 Reiger Ave. 800 S.	Dallas	Texas	32.793222	-96.768889	54.0	54.2	53.6	-0.6	54.2	53.6	-0.6
H_23_BinghamJ	Bingham, John H., House	Chestnut	Collin	Texas	33.190194	-96.614083	35.2	35.2	35.9	0.7	35.5	36.0	0.5
H_24_BirgeCap	Birge, Capt. Noble Allan, House	727 W. Birge	Grayson	Texas	33.645250	-96.618194	37.1	37.3	37.2	-0.1	37.7	37.6	-0.1
H_25_Blacksto	Blackstone Hotel	601 Main St.	Tarrant	Texas	32.753806	-97.330194	47.3	47.3	47.0	-0.3	47.4	47.0	-0.4
H_418_BlantonS	Blanton School	610 Witt St.	Hunt	Texas	33.370198	-96.063731	26.8	26.9	29.0	2.1	27.3	30.4	3.1
H_26_BluffDal	Bluff Dale Suspension Bridge	Bluff Dale Suspension Bridge	Rd. Berry's Creek	Erath	32.354306	-98.025972	22.9	23.1	26.1	3.0	23.5	26.5	3.0
H_27_BluffDal	Bluff Dale Suspension Bridge	Rd. 2036	Erath	Texas	32.353417	-98.026000	22.9	23.2	26.2	3.0	23.6	26.5	2.9
H_420_BluittSa	Bluitt Sanitarium	Commerce St.	Dallas	Texas	32.782790	-96.792708	54.6	55.0	55.1	0.1	56.0	56.1	0.1
H_28_BoardEve	Board--Everett House	507 N. Bradley	Collin	Texas	33.202278	-96.623639	36.0	36.0	35.5	-0.5	36.4	35.8	-0.6
H_29_BomarEpa	Bomar, E.P. and Alice, House	417 S. Denton St.	Cooke	Texas	33.621174	-97.142780	39.4	39.3	39.3	0.0	39.3	39.4	0.1
H_431_BomarEpa	Bomar, E.P. and Alice, House	417 S. Denton St.	Cooke	Texas	33.623023	-97.143070	39.3	39.2	39.3	0.1	39.2	39.3	0.1

Grid Point Location ID	Location						2011 E.C.	2014			2019		
	Historic Place Name	Address	County	State	Latitude	Longitude		N.A.	P.A.	Change	N.A.	P.A.	Change
H_30_BorenETH	Boren, E. T., House	616 W. Denton 115 N. Fourth Ave. 7801	Ellis	Texas	32.329056	-96.635889	30.2	30.3	28.8	-1.5	30.4	28.9	-1.5
H_31_BottsFow	Botts--Fowler House	Lemmom Ave 310 E. Broad St. 421 N. Austin Ave. 3201	Tarrant	Texas	32.565417	-97.146028	39.9	40.0	40.6	0.6	39.8	40.6	0.8
HH_1_BraniffBu	Braniff Building	Lemmom Ave	Dallas	Texas	32.848426	-96.841169	69.0	69.3	69.5	0.2	69.5	69.6	0.1
H_32_BrattonA	Bratton, Andrew "Cap" and Emma Doughty, House	310 E. Broad St. 421 N. Austin Ave. 3201	Tarrant	Texas	32.562800	-97.138500	40.4	40.4	40.8	0.4	40.4	40.9	0.5
H_33_BraunGeo	Braun, George, House	Ave. 3201	Grayson	Texas	33.759417	-96.537111	36.7	36.8	36.8	0.0	37.3	37.2	-0.1
H_408_Bromberg	Bromberg, Alfred and Juanita, House	Bromberg, Alfred and Juanita, House	Dallas	Texas	32.826250	-96.741349	48.4	48.5	47.5	-1.0	48.8	47.8	-1.0
H_34_BrooksWi	Brooks, William and Blanche, House	500 S. Center St.	Kaufman	Texas	32.743056	-96.473500	42.8	42.8	44.0	1.2	43.1	44.3	1.2
H_35_BrownJTH	Brown, J. T., Hotel	E. Decatur St	Wise	Texas	33.293972	-97.795917	30.2	30.3	29.7	-0.6	30.7	30.2	-0.5
H_36_BrownJoh	Brown, John R., House	509 N. Church 4214--4311 Bryan Ave.	Collin	Texas	33.201806	-96.617639	36.1	36.2	35.9	-0.3	36.5	36.0	-0.5
H_447_BryanPea	Bryan--Peak Commercial Historic District	Bryan--Peak Commercial Historic District	Dallas	Texas	32.799175	-96.779188	54.5	54.7	54.3	-0.4	55.3	54.8	-0.5
H_37_BryantWi	Bryant, William, Jr., House	1408 N. Peak S. Broad and Cooper 909 Throckmorton	Dallas	Texas	32.586028	-96.957250	41.9	42.1	42.4	0.3	42.5	42.8	0.3
H_38_BryceBui	Bryce Building	St. 4900 Bryce	Tarrant	Texas	32.751194	-97.330444	47.3	47.3	47.0	-0.3	47.5	47.1	-0.4
H_39_BryceWil	Bryce, William J., House	Ave. 306 E. Broad	Tarrant	Texas	32.739917	-97.393306	46.5	46.5	46.1	-0.4	46.4	45.9	-0.5
H_40_Buchanan	Buchanan-Hayter-Witherspoon House	306 E. Broad St. 6312 White Settlement	Tarrant	Texas	32.562800	-97.138700	40.4	40.4	40.8	0.4	40.4	40.9	0.5
H_41_BuckOaks	Buck Oaks Farm Building at 3525 Turtle Creek Boulevard	Rd. 3525 Turtle Creek Blvd.	Tarrant	Texas	32.762583	-97.423528	46.7	46.8	46.6	-0.2	46.9	46.7	-0.2
H_411_Building	Building at 441 East Main Building at 500--502 East Main	441 E. Main 500--502 E. Main	Ellis	Texas	32.810760	-96.802760	57.9	58.2	58.3	0.1	59.0	59.1	0.1
H_42_Building	Building at 441 East Main	441 E. Main	Ellis	Texas	32.383806	-96.841917	38.2	38.3	38.3	0.0	39.0	39.0	0.0
H_43_Building	Building at 500--502 East Main	500--502 E. Main	Ellis	Texas	32.384000	-96.842556	38.2	38.3	38.4	0.1	39.0	39.1	0.1
H_44_BullardT	Bullard, T. J., House	221 Patrick 500--502 Main	Ellis	Texas	32.395389	-96.855472	39.0	39.2	39.0	-0.2	40.0	39.8	-0.2
H_45_BurnettB	Burnett, Burk, Building	St. 405 N.	Tarrant	Texas	32.754222	-97.331250	47.3	47.4	47.1	-0.3	47.4	47.1	-0.3
H_46_BurrusFi	Burrus--Finch House	Waddill	Collin	Texas	33.200889	-96.626889	36.0	36.1	35.5	-0.6	36.4	35.9	-0.5

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Grid Point Location ID	Location						2011 E.C.	2014			2019		
	Historic Place Name	Address	County	State	Latitude	Longitude		N.A.	P.A.	Change	N.A.	P.A.	Change
H_48_BuschBui	Busch Building Busch-Kirby Building	1501--1509 Main St.	Dallas	Texas	32.780583	-96.799306	53.4	53.8	53.6	-0.2	54.7	54.3	-0.4
H_47_BuschKir	(Boundary Increase) Camp, William and	1501--1509 Main St.	Dallas	Texas	32.780583	-96.799306	53.4	53.8	53.6	-0.2	54.7	54.3	-0.4
H_49_CampWill	Camp, William and Medora, House	2620 Church St.	Hunt	Texas	33.143028	-96.107778	42.5	42.5	40.0	-2.5	42.8	40.4	-2.4
H_50_Cartwrig	Cartwright, Matthew, House	505 Griffith Ave.	Kaufman	Texas	32.745778	-96.284778	43.3	43.4	42.1	-1.3	43.8	42.5	-1.3
H_492_CedarSpr	Cedar Springs Place	2531 Lucas Dr. 205 S.	Dallas	Texas	32.814077	-96.820883	62.3	62.8	62.9	0.1	64.3	64.5	0.2
H_403_CelinaPu	Celina Public School	Colorado St. 2611 Wesley	Collin	Texas	33.324606	-96.788824	41.2	41.3	41.0	-0.3	41.7	41.4	-0.3
H_51_CentralC	Central Christian Church Central Congregational Church	St. 1530 N. Carroll	Hunt	Texas	33.138600	-96.108400	42.3	42.3	40.1	-2.2	42.7	40.5	-2.2
H_52_CentralC		Roughly bounded by E. Lancaster Ave., Forest Ave., Kerr St., and Handley	Dallas	Texas	32.802222	-96.778917	53.7	54.0	53.4	-0.6	54.6	54.0	-0.6
H_479_CentralH	Central Handley Historic District Central Presbyterian Church	Dr.	Tarrant	Texas	32.732877	-97.218971	47.8	47.9	48.0	0.1	48.2	48.2	0.0
H_53_CentralP		402 N. College 100 & 200	Ellis	Texas	32.389083	-96.844778	38.3	38.5	38.4	-0.1	39.2	39.2	0.0
H_410_CentralR	Central Roanoke Historic District	blks. of N. Oak St.	Denton	Texas	33.001046	-97.229284	48.2	48.2	48.0	-0.2	48.3	48.1	-0.2
H_54_ChapmanO	Chapman, Oscar H., House Chevrolet Motor Company	201 Overhill 3221	Ellis	Texas	32.404056	-96.845472	38.5	38.7	38.3	-0.4	39.5	39.2	-0.3
H_55_Chevrole	Building	Commerce	Dallas	Texas	32.784500	-96.776700	55.5	55.8	56.4	0.6	55.8	56.3	0.5
H_56_ChornLes	Chorn, Lester H. and Maybel Bryant, House	303 E. Broad St.	Tarrant	Texas	32.563400	-97.139200	40.4	40.4	40.8	0.4	40.3	40.9	0.6
H_57_ClardyUP	Clardy, U. P., House	315 Oak 4636 Ross	Collin	Texas	33.200111	-96.624333	35.9	35.9	35.4	-0.5	36.2	35.8	-0.4
H_58_Claremon	Claremont Apartments	Ave. 201 N. Caddo	Dallas	Texas	32.804917	-96.777139	52.7	53.0	52.3	-0.7	53.7	52.9	-0.8
H_59_Cleburne	Cleburne Carnegie Library	St.	Johnson	Texas	32.348556	-97.386556	31.5	31.0	31.4	0.4	31.1	31.6	0.5
H_60_Clements	Clements Hall	3200 Dyer St. 803 N. Main	Dallas	Texas	32.843444	-96.784333	47.4	47.5	46.9	-0.6	47.9	47.3	-0.6
H_61_Clendene	Clendenen-Carleton House	St.	Fannin	Texas	33.581389	-96.179611	30.3	30.4	26.9	-3.5	30.7	27.8	-2.9
H_62_ClineBas	Cline--Bass House	804 Tucker	Collin	Texas	33.202861	-96.626194	36.1	36.2	35.6	-0.6	36.5	35.9	-0.6

Grid Point Location ID	Location						2011 E.C.	2014			2019		
	Historic Place Name	Address	County	State	Latitude	Longitude		N.A.	P.A.	Change	N.A.	P.A.	Change
H_63_CloudSta	Cloud-Stark House	327 S. Dixon St.	Cooke	Texas	33.621389	-97.140528	39.5	39.4	39.5	0.1	39.4	39.5	0.1
H_64_CogginsJ	Coggins, J. R., House	805 Howell	Collin	Texas	33.194667	-96.621889	35.5	35.5	35.5	0.0	35.9	35.8	-0.1
H_65_CohnJoeH	Cohn, Joe, House	501 Sycamore	Ellis	Texas	32.399750	-96.845583	38.5	38.7	38.4	-0.3	39.4	39.2	-0.2
H_66_ColeHipp	Cole--Hipp House	309 E. Marvin 1219 E.	Ellis	Texas	32.391556	-96.841111	38.1	38.3	38.2	-0.1	38.9	38.9	0.0
H_67_ColemanC	Coleman--Cole House	Marvin 407 E.	Ellis	Texas	31.937556	-96.841833	32.8	32.8	33.0	0.2	33.7	33.9	0.2
H_68_CollinCo	Collin County Mill and Elevator Company	Louisiana Bounded by Pennsylvania Ave., I-45, US	Collin	Texas	33.197667	-96.609583	35.8	35.9	37.0	1.1	36.1	36.3	0.2
		75 and Hatcher 205 E.	Dallas	Texas	32.754610	-96.768158	51.2	51.5	51.8	0.3	52.1	52.3	0.2
H_69_Connally	Connally, Roy, House	University 3301-3333 Elm St., 212 and 232 Trunk	Ellis	Texas	32.399889	-96.853889	39.0	39.2	38.9	-0.3	40.0	39.7	-0.3
H_70_Continen	Continental Gin Company	Ave. Public Square, bounded by California, Dixon, Main and Commerce	Dallas	Texas	32.786250	-96.777167	55.4	55.7	56.3	0.6	55.9	56.2	0.3
H_71_CookeCou	Cooke County Courthouse	Sts. Roughly bounded by 2nd Ave., the Southern Pacific RR tracks, 7th	Cooke	Texas	33.624000	-97.145639	39.2	39.0	39.1	0.1	39.1	39.2	0.1
H_474_Corsican	Corsicana Commercial Historic District	Ave. and Main St.	Navarro	Texas	32.094210	-96.464189	25.0	25.1	25.1	0.0	25.4	25.5	0.1
		400 block S. 12th St. Along RR tracks, roughly bounded by Hudgins,	Navarro	Texas	32.089333	-96.464139	24.8	24.9	25.0	0.1	25.2	25.3	0.1
H_487_CottonBe	Cotton Belt Railroad Industrial Historic District	Tarrant	Texas	32.933469	-97.079313	50.5	50.7	50.6	-0.1	51.1	51.0	-0.1	

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Grid Point Location ID	Location						2011 E.C.	2014			2019		
	Historic Place Name	Address	County	State	Latitude	Longitude		N.A.	P.A.	Change	N.A.	P.A.	Change
Dooley, and Dallas Sts.													
H_73_CrouchPe	Crouch--Perkins House	205 N. Church Houston and Commerce Sts.	Collin	Texas	33.198333	-96.606778	36.1	36.2	37.2	1.0	36.4	36.6	0.2
H_74_DallasCo	Dallas County Courthouse	5501 Columbia Ave.	Dallas	Texas	32.779278	-96.807333	52.4	52.7	52.5	-0.2	53.5	53.3	-0.2
H_75_DallasFi	Dallas Fire Station No. 16	Southern Methodist University campus	Dallas	Texas	32.799111	-96.755278	51.1	51.3	50.5	-0.8	51.5	50.7	-0.8
H_76_DallasHa	Dallas Hall Dallas High School Historic District	2218 Bryan St. 1530 Main and 1511	Dallas	Texas	32.845250	-96.784889	47.3	47.3	46.8	-0.5	47.7	47.2	-0.5
H_451_DallasHi	Dallas National Bank	Commerce St. Harwood and Young Sts.	Dallas	Texas	32.786179	-96.793437	55.5	55.9	56.1	0.2	57.0	57.4	0.4
H_77_DallasNa	Dallas Scottish Rite Temple Dallas Tent and Awning Building	3401 Commerce St. 6938	Dallas	Texas	32.778889	-96.792222	53.9	54.2	54.2	0.0	55.0	55.0	0.0
H_79_DallasTe	Dallas Times Herald Pasadena Perfect Home	Wildgrove Ave. 400 S.	Dallas	Texas	32.818928	-96.737892	48.7	48.8	48.0	-0.8	49.1	48.2	-0.9
H_497_DallasUn	Dallas Union Terminal	Houston St.	Dallas	Texas	32.775382	-96.807750	52.0	52.2	52.0	-0.2	52.9	52.7	-0.2
H_81_DavisHLH	Davis, H. L., House	705 N. College	Collin	Texas	33.203667	-96.621222	36.1	36.2	35.6	-0.6	36.5	35.9	-0.6
H_82_DavisWil	Davis, William and Anna, House	505 S. Denton St.	Cooke	Texas	33.619611	-97.142722	39.4	39.3	39.4	0.1	39.3	39.4	0.1
H_80_DavisHil	Davis--Hill House	Roughly bounded by Pacific Ave., Market St., Jackson St. and right of way of Dallas Right of Way	Collin	Texas	33.205556	-96.616667	36.4	36.5	36.0	-0.5	36.8	36.1	-0.7
H_450_DealeyPl	Dealey Plaza Historic District	Management Company	Dallas	Texas	32.778696	-96.807803	52.3	52.6	52.4	-0.2	53.4	53.2	-0.2

Grid Point Location ID	Location						2011 E.C.	2014			2019		
	Historic Place Name	Address	County	State	Latitude	Longitude		N.A.	P.A.	Change	N.A.	P.A.	Change
NNL_1_Dealey	Dealey Plaza Historic District	Roughly bounded by Pacific Ave., Market St., Jackson St. and right of way of Dallas Right of Way Management Company 8525 Garland Rd.	Dallas	Texas	32.778866	-96.808439	52.3	52.5	52.4	-0.1	53.3	53.2	-0.1
H_448_DeGolyer	DeGolyer Estate	Roughly Woodard, Main and Chestnut Sts.	Dallas	Texas	32.821771	-96.718051	48.3	48.4	47.6	-0.8	48.7	48.1	-0.6
H_433_DenisonC	Denison Commercial Historic District	Public Sq. Area bounded by Pecan, Austin, Walnut, and Cedar Sts. 123 E.	Grayson	Texas	33.755486	-96.538765	36.6	36.8	36.7	-0.1	37.2	37.1	-0.1
H_83_DentonCo	Denton County Courthouse	Denton County Courthouse Square Historic District	Denton	Texas	33.215139	-97.132972	41.7	41.7	41.8	0.1	41.8	42.0	0.2
H_439_DentonCo	Dillon, George C., House	University	Ellis	Texas	32.398972	-96.854333	39.0	39.2	38.9	-0.3	40.0	39.7	-0.3
Pri10824	Dinosaur Valley State Park	Park Road 59	Somervell	Texas	32.252007	-97.805497	27.0	27.1	25.8	-1.3	27.5	26.0	-1.5
NNL_7_Dinosa	Dinosaur Valley State Park	Park Road 59	Somervell	Texas	32.251510	-97.812200	27.0	27.1	25.9	-1.2	27.5	26.1	-1.4
Pri10334	Dinosaur Valley State Park	Park Road 59	Somervell	Texas	32.252115	-97.824905	27.2	27.3	26.5	-0.8	27.7	26.5	-1.2
Pri10580	Dinosaur Valley State Park	Park Road 59	Somervell	Texas	32.260307	-97.815138	27.4	27.5	26.6	-0.9	27.9	26.6	-1.3
Pri10581	Dinosaur Valley State Park	Park Road 59	Somervell	Texas	32.268553	-97.815075	27.6	27.7	26.7	-1.0	28.1	26.7	-1.4
H_85_DixonMoo	Dixon--Moore House	2716 Peabody	Dallas	Texas	32.802222	-96.778917	53.7	54.0	53.4	-0.6	54.6	54.0	-0.6
H_86_DowellJS	Dowell, J. S., House	608 Parker	Collin	Texas	33.193222	-96.622583	35.4	35.5	35.4	-0.1	35.8	35.8	0.0
H_87_DulaneyJ	Dulaney, Joe E., House	Chestnut	Collin	Texas	33.194861	-96.613111	35.5	35.5	36.0	0.5	35.8	36.0	0.2
H_88_DulaneyJ	Dulaney, Joseph Field, House	Chestnut	Collin	Texas	33.194500	-96.613111	35.4	35.4	36.0	0.6	35.8	36.0	0.2
H_89_Dunkerly	Dunkerly, G. G., House	607 W. Baylor	Ellis	Texas	32.326667	-96.633417	30.2	30.3	28.8	-1.5	30.5	29.0	-1.5
H_90_EasthamD	Eastham, D. D., House	401 E. Marvin	Ellis	Texas	31.943028	-96.857167	33.3	33.3	33.4	0.1	34.2	34.4	0.2
H_91_Eddleman	Eddleman-McFarland	1110 Penn St.	Tarrant	Texas	32.747250	-97.342778	48.2	48.2	47.8	-0.4	48.0	47.6	-0.4

Appendix G: Historic and Cultural Resources

Grid Point Location ID	Location						2011 E.C.	2014			2019		
	Historic Place Name	Address	County	State	Latitude	Longitude		N.A.	P.A.	Change	N.A.	P.A.	Change
House													
H_92_Electric	Electric Building Elizabeth Boulevard	410 W. 7th St. 1001–1616	Tarrant	Texas	32.751500	-97.333222	47.5	47.5	47.1	-0.4	47.5	47.1	-0.4
H_435_Elizabet	Historic District	Elizabeth Blvd. Roughly bounded by both sides of Waxahachie Creek N to Union Pacific RR tracks & between both sides of Elm and Flat Sts.	Tarrant	Texas	32.716573	-97.339184	46.5	46.4	47.2	0.8	45.8	46.7	0.9
H_466_EllisCou	Ellis County Courthouse Historic District	Ellis, James H. and Molly, House	Ellis	Texas	32.384078	-96.848732	38.5	38.7	38.7	0.0	39.4	39.4	0.0
H_93_EllisJam		2426 Pine 4301 San Jacinto	Dallas	Texas	32.755028	-96.761944	51.3	51.6	52.3	0.7	52.0	52.6	0.6
H_94_EmanuelL	Emanuel Lutheran Church	Roughly bounded by W. Baylor, N. Main, W. Crockett, and McKinney Sts.	Dallas	Texas	32.800639	-96.781083	54.5	54.7	54.4	-0.3	55.4	54.9	-0.5
H_471_EnnisCom	Ennis Commercial Historic District	111 E. Lampasas	Ellis	Texas	32.327846	-96.627981	30.2	30.3	28.6	-1.7	30.4	28.8	-1.6
H_95_EnnisCot	Ennis Cotton Compress	800 blk S.	Ellis	Texas	32.323583	-96.623083	30.2	30.3	28.7	-1.6	30.5	28.8	-1.7
H_96_EnnisCot	Ennis Cotton Oil Company	Kaufman	Ellis	Texas	32.322400	-96.620800	30.2	30.3	28.7	-1.6	30.4	28.8	-1.6
H_97_EnnisHig	Ennis High School	501 N. Gaines 414 W.	Ellis	Texas	32.328500	-96.634417	30.2	30.3	28.8	-1.5	30.5	28.9	-1.6
H_98_ErwinJRH	Erwin, J. R., House	Marvin	Ellis	Texas	32.394361	-96.848056	38.6	38.8	38.6	-0.2	39.5	39.4	-0.1
H_99_EstesHou	Estes House	903 N. College St.	Collin	Texas	33.204750	-96.621194	36.2	36.2	35.6	-0.6	36.5	35.9	-0.6
H_100_FainHous	Fain House	Preston Northeast of the intersection of Perry and 2nd	Ellis	Texas	32.328472	-96.632944	30.2	30.3	28.7	-1.6	30.5	28.9	-1.6
NNL_2_FairPa	Fair Park Texas Centennial Buildings	Avenues 505 S.	Dallas	Texas	32.781401	-96.763688	53.7	54.0	54.3	0.3	54.0	54.3	0.3
H_102_FairesFC	Faires, F. C., House	Chestnut	Collin	Texas	33.192528	-96.613389	35.3	35.3	36.0	0.7	35.7	36.0	0.3

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	Historic Place Name	Address	County	State	Latitude	Longitude		N.A.	P.A.	Change	N.A.	P.A.	Change
H_101_FairesBe	Faires--Bell House	S side Chestnut Sq. Roughly bounded by Magnolia, Hemphill,	Collin	Texas	33.194667	-96.612889	35.4	35.5	36.1	0.6	35.8	36.0	0.2
H_486_Fairmoun	Fairmount--Southside Historic District	Eighth, and Jessamine Roughly bounded by Magnolia, Hemphill,	Tarrant	Texas	32.724270	-97.337631	47.2	47.2	47.6	0.4	46.4	47.0	0.6
H_485_Fairmoun	Fairmount--Southside Historic District (Boundary Increase)	Allen, Travis and Morphy St. Fannin, James W., 4800 Ross Ave.	Tarrant	Texas	32.729738	-97.332368	47.3	47.2	47.5	0.3	46.7	47.0	0.3
H_103_Fanninja	Elementary School	68 W. Elm St.	Hill	Texas	32.010500	-97.131250	38.5	38.6	38.7	0.1	38.9	39.0	0.1
H_104_FarmersN	Farmers National Bank	Farmersville Masonic Lodge No. 214, A.F. & A.M.	101 S. Main St.	Collin	33.163600	-96.359600	32.8	32.8	34.9	2.1	33.1	35.2	2.1
H_105_Farmersv	Farrar House	601 S. Main W	Ellis	Texas	32.321417	-96.622278	30.2	30.3	28.8	-1.5	30.5	28.9	-1.6
H_106_FarrarHo	Ferguson, John H., House	607 N. Church	Collin	Texas	33.202889	-96.617611	36.2	36.3	35.9	-0.4	36.6	36.0	-0.6
H_107_Ferguson	Ferris School	411 Gibson 1511 Bryan and 1507 Pacific Ave.	Ellis	Texas	32.386528	-96.843556	38.3	38.4	38.4	0.0	39.1	39.1	0.0
H_404_Fidelity	Fidelity Union Life Insurance Building	612 Throckorton St.	Dallas	Texas	32.783993	-96.800109	54.0	54.3	54.2	-0.1	55.4	55.1	-0.3
H_109_FirstChr	First Christian Church First Methodist Church of Rockwall	303 E. Rusk	Tarrant	Texas	32.752556	-97.332333	47.4	47.4	47.1	-0.3	47.5	47.1	-0.4
H_414_FirstMet	First National Bank Building	711 Houston St.	Rockwall	Texas	32.930878	-96.458325	45.3	45.3	44.8	-0.5	45.5	45.0	-0.5
H_110_FirstNat	First National Bank Building	410 NW 2nd	Kaufman	Texas	32.736583	-96.276944	42.6	42.7	41.5	-1.2	43.1	41.9	-1.2
H_401_FirstNat	First Presbyterian Church	1000 Houston St.	Tarrant	Texas	32.754458	-97.330807	47.3	47.3	47.0	-0.3	47.4	47.1	-0.3
H_111_FirstPre	Flatiron Building	3330 University Blvd.	Palo Pinto	Texas	32.811472	-98.115889	38.6	38.7	39.4	0.7	38.9	39.7	0.8
H_112_Flatiron	Florence, Fred, Hall	Dallas	Tarrant	Texas	32.845361	-96.786333	47.4	47.4	46.9	-0.5	47.8	47.2	-0.6

Appendix G: Historic and Cultural Resources

Grid Point Location ID	Location						2011 E.C.	2014			2019		
	Historic Place Name	Address	County	State	Latitude	Longitude		N.A.	P.A.	Change	N.A.	P.A.	Change
H_114_FooteCro	Foote--Crouch House	401 N. Benge 3000 Martin	Collin	Texas	33.194583	-96.617833	35.6	35.6	35.8	0.2	35.9	35.9	0.0
H_115_ForestAv	Forest Avenue High School, Old	Luther King, Jr., Blvd.	Dallas	Texas	32.771333	-96.764944	53.6	54.0	54.9	0.9	54.2	55.1	0.9
H_116_ForestW	Forrest, W. B., House	500 Royal S of Jacksboro	Ellis	Texas	31.941306	-96.861444	33.4	33.3	33.5	0.2	34.4	34.5	0.1
H_436_FortRich	Fort Richardson	on U.S. 281	Jack	Texas	33.206862	-98.157314	41.3	41.6	38.2	-3.4	41.8	38.5	-3.3
H_437_FortRich	Fort Richardson	S of Jacksboro on U.S. 281	Jack	Texas	33.206862	-98.157314	41.3	41.6	38.2	-3.4	41.8	38.5	-3.3
NNL_3_FortRi	Fort Richardson	S of Jacksboro on U.S. 281 3220 Botanic	Jack	Texas	33.207109	-98.163137	41.2	41.4	38.3	-3.1	41.6	38.5	-3.1
H_406_FortWort	Fort Worth Botanic Garden	Garden Blvd.	Tarrant	Texas	32.738498	-97.361839	47.6	47.5	47.2	-0.3	47.1	46.8	-0.3
H_117_FortWort	Fort Worth Club Building-- 1916	608-610 Main St.	Tarrant	Texas	32.744778	-97.330778	47.4	47.5	47.2	-0.3	47.4	47.0	-0.4
H_118_FortWort	Fort Worth Elks Lodge 124	512 W. 4th St. 1015 S.	Tarrant	Texas	32.753056	-97.334889	47.5	47.6	47.2	-0.4	47.6	47.2	-0.4
H_119_FortWort	Fort Worth High School	Jennings Ave.	Tarrant	Texas	32.735750	-97.329889	47.3	47.3	47.3	0.0	47.0	47.0	0.0
Pri18493	Fort Worth Nature Center & Refuge	9601 Fossil Ridge Rd.	Tarrant	Texas	32.860146	-97.497842	45.9	46.1	45.8	-0.3	46.3	46.1	-0.2
Pri18494	Fort Worth Nature Center & Refuge	9601 Fossil Ridge Rd.	Tarrant	Texas	32.868391	-97.497748	46.0	46.2	45.7	-0.5	46.4	46.0	-0.4
Pri18737	Fort Worth Nature Center & Refuge	9601 Fossil Ridge Rd.	Tarrant	Texas	32.851821	-97.488166	46.5	46.6	46.6	0.0	46.9	46.9	0.0
Pri18738	Fort Worth Nature Center & Refuge	9601 Fossil Ridge Rd.	Tarrant	Texas	32.860067	-97.488072	46.5	46.6	46.4	-0.2	46.9	46.6	-0.3
Pri18982	Fort Worth Nature Center & Refuge	9601 Fossil Ridge Rd.	Tarrant	Texas	32.851741	-97.478397	47.2	47.4	47.5	0.1	47.7	47.8	0.1
Pri19228	Fort Worth Nature Center & Refuge	9601 Fossil Ridge Rd.	Tarrant	Texas	32.859906	-97.468532	47.3	47.5	47.2	-0.3	47.7	47.5	-0.2
NNL_8_FortWo	Fort Worth Nature Center & Refuge	9601 Fossil Ridge Rd.	Tarrant	Texas	32.844830	-97.477200	47.6	47.8	48.0	0.2	48.1	48.3	0.2
Pri18981	Fort Worth Nature Center & Refuge	9601 Fossil Ridge Rd.	Tarrant	Texas	32.843495	-97.478492	47.6	47.7	48.0	0.3	48.0	48.3	0.3
Pri19227	Fort Worth Nature Center & Refuge	9601 Fossil Ridge Rd.	Tarrant	Texas	32.851660	-97.468628	47.9	48.1	48.1	0.0	48.4	48.4	0.0
Pri18979	Fort Worth Nature Center & Refuge	9601 Fossil Ridge Rd.	Tarrant	Texas	32.827004	-97.478682	48.2	48.3	48.3	0.0	48.6	48.5	-0.1
Pri18980	Fort Worth Nature Center & Refuge	9601 Fossil Ridge Rd. 1400	Tarrant	Texas	32.835249	-97.478587	48.2	48.4	48.7	0.3	48.6	48.9	0.3
H_120_FortWort	Fort Worth Public Market	Henderson St.	Tarrant	Texas	32.744333	-97.338056	47.9	48.0	47.6	-0.4	47.6	47.3	-0.3

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	Historic Place Name	Address	County	State	Latitude	Longitude		N.A.	P.A.	Change	N.A.	P.A.	Change
		Roughly bounded by 23rd, Houston, and 28th Sts., and railroad											
H_481_FortWort	Fort Worth Stockyards Historic District	501 W. 10th St.	Tarrant	Texas	32.790256	-97.345544	49.1	49.1	49.2	0.1	49.0	49.1	0.1
H_121_FortWort	Fort Worth US Courthouse		Tarrant	Texas	32.748972	-97.334111	47.6	47.6	47.2	-0.4	47.5	47.2	-0.3
H_122_FoxSHHou	Fox, S. H., House	808 Tucker 3912 Willow St.	Collin	Texas	33.202861	-96.625750	36.1	36.2	35.5	-0.7	36.5	35.9	-0.6
H_123_G&JManuf	G & J Manufacturing	2729 Union Hill Rd. 119 E. Franklin St.	Dallas	Texas	32.785667	-96.770556	54.8	55.1	55.3	0.2	54.9	55.1	0.2
H_389_Gallaghe	Gallagher House		Palo Pinto	Texas	32.882620	-98.147709	39.7	39.8	40.5	0.7	40.1	40.9	0.8
H_124_Gebhardt	Gebhardt Bakery	2540 Farmers Branch Ln.	Hill	Texas	32.011917	-97.129306	38.6	38.7	38.8	0.1	39.0	39.1	0.1
H_125_GilbertS	Gilbert, Samuel and Julia, House	908 S. Mulberry 302 S.	Dallas	Texas	32.918167	-96.890833	50.2	50.5	51.9	1.4	51.5	54.5	3.0
H_126_Gillespi	Gillespie Farm		Ellis	Texas	32.325500	-96.612000	29.6	29.6	28.0	-1.6	29.8	28.2	-1.6
H_127_GoodnerJ	Goodner, Jim B., House	Tennessee 2809 Parry Ave. and 4136-40	Collin	Texas	33.195083	-96.615250	35.5	35.5	35.9	0.4	35.8	35.9	0.1
H_128_Goodyear	Goodyear Tire and Rubber Company Building and B.F. Goodrich Building	Commerce St. 2809 Parry Ave. and 4136-40	Dallas	Texas	32.774778	-96.765917	53.9	54.2	55.2	1.0	54.3	55.3	1.0
H_129_Goodyear	Goodyear Tire and Rubber Company Building and B.F. Goodrich Building	Commerce St. 1206 W. 4136-40	Dallas	Texas	32.774583	-96.766361	53.9	54.2	55.2	1.0	54.4	55.3	0.9
H_130_GouchHug	Gouch--Hughston House	Louisiana 4105 Junius	Collin	Texas	33.197472	-96.626972	35.8	35.8	35.4	-0.4	36.2	35.8	-0.4
H_131_GraceMet	Grace Methodist Episcopal Church	St. 909 W. Marvin Roughly Grand Ave. from	Dallas	Texas	32.793417	-96.775917	54.7	55.0	54.8	-0.2	55.4	55.1	-0.3
H_132_GrahamDr	Graham, Dr. L. H., House		Ellis	Texas	32.396361	-96.853333	38.9	39.1	38.9	-0.2	39.9	39.7	-0.2
H_483_GrandAve	Grand Avenue Historic District	Northside to Park 404--432 S.	Tarrant	Texas	32.772269	-97.360844	49.5	49.5	49.6	0.1	49.2	49.2	0.0
H_489_Grapevin	Grapevine Commercial Historic District	Main St.	Tarrant	Texas	32.936973	-97.078689	50.7	50.8	50.8	0.0	51.2	51.1	-0.1

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	Historic Place Name	Address	County	State	Latitude	Longitude		N.A.	P.A.	Change	N.A.	P.A.	Change
H_491_Grapevin	Grapevine Commercial Historic District (Boundary Increase II)	500-530 S. Main St.	Tarrant	Texas	32.936014	-97.078712	50.7	50.8	50.7	-0.1	51.2	51.1	-0.1
H_490_Grapevin	Grapevine Commercial Historic District (Boundary Increase)	300 and 400 blocks of S. Main St. Between Schoolhouse Rd. and Lanier Rd.,	Tarrant	Texas	32.938020	-97.078366	50.8	50.9	50.8	-0.1	51.4	51.2	-0.2
NNL_9_Greenw	Greenwood Canyon	Forestburg, TX 5439 Swiss Ave.	Montague	Texas	33.511520	-97.579400	27.3	27.4	28.1	0.7	27.9	29.7	1.8
H_133_GreerGeo	Greer, George C., House	Approx. 0.5 mi W of Lois Rd., near the Gregory Road Bridge at Duck Creek	Dallas	Texas	32.806667	-96.765139	50.8	51.0	50.3	-0.7	51.5	50.6	-0.9
H_134_GregoryR	Grimes Garage	110 N. Waco St. Country Club Rd. and Corporation St.	Denton	Texas	33.424800	-97.233000	39.4	39.3	39.5	0.2	39.3	39.6	0.3
H_135_GrimesGa	Grimes House	1200 South Freeway 501 Second Ave	Hill	Texas	32.012306	-97.129917	38.6	38.7	38.8	0.1	39.0	39.1	0.1
H_136_GrimesHo	Guinn, James E., School	St. 1311 N. Main St., W.	Tarrant	Texas	32.731601	-97.321489	46.8	46.7	47.0	0.3	46.6	46.9	0.3
H_504_GuinnJam	Gulf Oil Distribution Facility	Gulf, Colorado and Santa Fe Railroad Passenger Station	Dallas	Texas	32.783776	-96.773052	55.1	55.4	56.0	0.6	55.3	55.7	0.4
H_137_GulfColo	H & TC Railroad Division	1601 Jones St. 132 N. Potter	Tarrant	Texas	32.749194	-97.324083	47.3	47.2	46.9	-0.3	47.3	47.0	-0.3
H_500_H&TCRail	Yard Shop	118 W. Lamar	Grayson	Texas	33.644167	-96.609611	36.5	36.6	36.5	-0.1	37.0	36.9	-0.1
H_138_HallFurn	Hall Furniture Building	2018 Cadiz St. E of Rio Vista on SR 916	Dallas	Texas	32.778300	-96.790200	54.0	54.3	54.4	0.1	55.1	55.1	0.0
H_139_HarlanBu	Harlan Building	132 N. Potter St.	Johnson	Texas	32.239056	-97.357917	30.0	29.2	30.3	1.1	28.7	29.9	1.2
H_140_HartMere	Hart, Meredith, House	205 W. Hunt	Dallas	Texas	32.591389	-96.959472	42.1	42.3	42.7	0.4	42.8	43.2	0.4
H_141_HawkesZT	Hawkes, Z. T. (Tip), House	Henderson Street at the	Collin	Texas	33.198889	-96.616861	35.8	35.9	35.9	0.0	36.2	36.0	-0.2
H_391_Henderso	Henderson Street Bridge		Tarrant	Texas	32.758718	-97.341156	48.0	48.1	47.9	-0.2	47.9	47.8	-0.1

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	Historic Place Name	Address	County	State	Latitude	Longitude		N.A.	P.A.	Change	N.A.	P.A.	Change
H_392_Henderso	Henderson Street Bridge	Clear Fork of the Trinity River	Tarrant	Texas	32.760294	-97.343080	48.3	48.4	48.2	-0.2	48.2	48.0	-0.2
H_397_Heritage	Heritage Park Plaza	Henderson Street at the Clear Fork of the Trinity River W Bluff St at Main St Jct. of Preston Rd. and Mockingbird Ln.	Tarrant	Texas	32.760065	-97.334630	47.4	47.4	47.2	-0.2	47.5	47.3	-0.2
H_494_Highland	Highland Park Shopping Village	Jct. of Preston Rd. and Mockingbird Ln.	Dallas	Texas	32.835671	-96.805618	50.6	50.9	50.4	-0.5	51.8	51.3	-0.5
NNL_4_Highla	Highland Park Shopping Village	Highland Park Shopping Village	Dallas	Texas	32.835738	-96.805609	50.6	50.9	50.4	-0.5	51.8	51.3	-0.5
H_143_HighwayG	Highway Garage	315 W. Main Courthouse Sq.	Ellis	Texas	32.386300	-96.849000	38.6	38.7	38.7	0.0	39.4	39.4	0.0
H_145_HillCoun	Hill County Courthouse	Hill County Jail	Hill	Texas	32.011306	-97.130889	38.5	38.6	38.7	0.1	38.9	39.0	0.1
H_146_HillCoun	Hill County Jail	Hill, Ben, House	Hill	Texas	32.014278	-97.129667	38.6	38.7	38.8	0.1	39.0	39.1	0.1
H_147_HillBenH	Hill, Ben, House	Hill, John B., House	Collin	Texas	33.202361	-96.628556	36.2	36.3	35.6	-0.7	36.7	36.0	-0.7
H_148_HillJohn	Hill, Moran, House	Hill, John B., House	Collin	Texas	33.202944	-96.621250	36.1	36.1	35.6	-0.5	36.5	35.9	-0.6
H_149_HillMora	Hill, Moran, House	Hill, Moran, House	Collin	Texas	33.198361	-96.626944	35.8	35.9	35.4	-0.5	36.2	35.8	-0.4
H_150_HillWRHo	Hill, W. R., House	Hill, W. R., House	Collin	Texas	33.202583	-96.621250	36.1	36.1	35.6	-0.5	36.4	35.9	-0.5
H_151_Hillsbor	Hillsboro Cotton Mills	Houston St. Roughly bounded by Country Club Rd., Thompson, Corsicana, Pleasant, Franklin, and Elm Sts. 400 E.	Hill	Texas	32.012917	-97.135111	38.4	38.5	38.6	0.1	38.8	38.9	0.1
H_503_Hillsbor	Hillsboro Residential Historic District	Hillsboro Residential Historic District	Hill	Texas	32.012839	-97.121295	38.7	38.8	38.9	0.1	39.2	39.4	0.2
H_144_HillWebb	Hill-Webb Grain Elevator	Louisiana	Collin	Texas	33.196583	-96.609833	35.7	35.8	36.9	1.1	36.0	36.3	0.3
H_152_HiltonHo	Hilton Hotel	1933 Main St.	Dallas	Texas	32.781944	-96.794361	54.2	54.5	54.6	0.1	55.5	55.4	-0.1

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	Historic Place Name	Address	County	State	Latitude	Longitude		N.A.	P.A.	Change	N.A.	P.A.	Change
H_153_HinesEMH	Hines, E. M., House	124 Kaufman 900 St. Louis Ave.	Ellis	Texas	32.385444	-96.843389	38.3	38.4	38.4	0.0	39.1	39.1	0.0
H_154_HoggAlex	Hogg, Alexander, School	Courthouse Sq., bounded by Bridge, Pearl, and Houston Sts. 1315	Tarrant	Texas	32.737000	-97.329000	47.3	47.2	47.2	0.0	47.1	46.9	-0.2
H_472_HoodCoun	Hood County Courthouse Historic District	Hood	Texas	32.442715	-97.787005	28.7	28.9	26.5	-2.4	29.1	26.7	-2.4	
H_155_HotelAdo	Hotel Adolphus	Commerce St.	Dallas	Texas	32.779944	-96.799417	53.3	53.6	53.4	-0.2	54.6	54.2	-0.4
H_156_HotelTex	Hotel Texas	815 Main St.	Tarrant	Texas	32.752611	-97.329361	47.3	47.3	47.0	-0.3	47.4	47.0	-0.4
H_157_Houseat1	House at 104 Kaufman	104 Kaufman	Ellis	Texas	32.384917	-96.844250	38.3	38.5	38.5	0.0	39.1	39.2	0.1
H_158_Houseat1	House at 106 East Denton	106 E. Denton	Ellis	Texas	32.332722	-96.628583	30.0	30.0	28.3	-1.7	30.2	28.4	-1.8
H_159_Houseat1	House at 106 Kaufman	106 Kaufman	Ellis	Texas	32.385083	-96.843806	38.2	38.4	38.4	0.0	39.1	39.1	0.0
H_160_Houseat1	House at 111 Brown	111 Brown	Ellis	Texas	32.393389	-96.843833	38.3	38.5	38.3	-0.2	39.2	39.1	-0.1
H_161_Houseat1	House at 111 Williams	111 Williams	Ellis	Texas	32.388667	-96.841806	38.1	38.3	38.2	-0.1	39.0	39.0	0.0
H_162_Houseat1	House at 113 East Ross	113 E. Ross 1301 E.	Ellis	Texas	32.395861	-96.840778	38.1	38.3	38.1	-0.2	39.0	38.9	-0.1
H_163_Houseat1	House at 1301 East Marvin House at 1303 W.	Marvin 1303 W.	Ellis	Texas	31.937722	-96.841222	32.8	32.8	32.9	0.1	33.7	33.8	0.1
H_164_Houseat1	Louisiana	Louisiana 1423	Collin	Texas	33.196750	-96.627861	35.8	35.8	35.4	-0.4	36.2	35.8	-0.4
H_165_Houseat1	House at 1423 Sycamore	Sycamore	Ellis	Texas	32.404278	-96.857611	39.3	39.5	39.1	-0.4	40.3	39.9	-0.4
H_166_Houseat2	House at 201 N. Graves	201 N. Graves	Collin	Texas	33.198778	-96.629944	36.1	36.2	35.6	-0.6	36.5	36.0	-0.5
H_167_Houseat3	House at 301 E. Lamar	301 E. Lamar	Collin	Texas	33.200722	-96.617667	36.1	36.1	35.9	-0.2	36.4	36.0	-0.4
H_168_Houseat3	House at 301 Turner	301 Turner	Ellis	Texas	32.380778	-96.854750	38.8	39.0	39.0	0.0	39.7	39.7	0.0
H_169_Houseat3	House at 320 East Marvin	320 E. Marvin 404 E.	Ellis	Texas	32.390639	-96.840500	38.1	38.2	38.2	0.0	38.9	38.9	0.0
H_170_Houseat4	House at 404 East Crockett	Crockett	Ellis	Texas	32.328472	-96.623806	30.0	30.1	28.4	-1.7	30.3	28.6	-1.7
H_171_Houseat4	House at 418 North College House at 500 North Main,	418 N. College	Ellis	Texas	32.390167	-96.844528	38.3	38.5	38.4	-0.1	39.2	39.2	0.0
H_172_Houseat5	East	500 N. Main E	Ellis	Texas	32.331806	-96.628611	30.0	30.1	28.4	-1.7	30.3	28.5	-1.8
H_173_Houseat5	House at 501 North Grand	501 N. Grand	Ellis	Texas	32.402667	-96.858917	39.3	39.5	39.1	-0.4	40.4	40.0	-0.4
H_174_Houseat5	House at 508 North Dallas	508 N. Dallas	Ellis	Texas	32.331111	-96.630306	30.1	30.2	28.5	-1.7	30.4	28.7	-1.7
H_175_Houseat5	House at 509 West Brown	509 W. Brown	Ellis	Texas	32.324639	-96.631111	30.2	30.3	28.8	-1.5	30.5	29.0	-1.5

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H_176_Houseat5	House at 512 North Grand	512 N. Grand	Ellis	Texas	32.401056	-96.859167	39.3	39.5	39.2	-0.3	40.4	40.0	-0.4
H_177_Houseat5	House at 523 Highland	523 Highland	Ellis	Texas	32.401389	-96.857250	39.2	39.5	39.1	-0.4	40.3	39.9	-0.4
H_178_Houseat6	House at 610 Tucker	610 Tucker	Collin	Texas	33.202889	-96.627472	36.2	36.3	35.6	-0.7	36.6	36.0	-0.6
H_179_Houseat6	House at 625 Cantrell	625 Cantrell	Ellis	Texas	32.381139	-96.854306	38.8	39.0	39.0	0.0	39.6	39.7	0.1
H_180_Houseat7	House at 700 South Rogers	700 S. Rogers	Ellis	Texas	32.379333	-96.854361	38.8	39.0	39.0	0.0	39.7	39.7	0.0
H_181_Houseat7	House at 703 South College	703 S. College	Ellis	Texas	32.378222	-96.853750	38.8	38.9	39.0	0.1	39.7	39.7	0.0
H_182_Houseat7	House at 704 Parker	704 Parker	Collin	Texas	33.192694	-96.622389	35.4	35.4	35.5	0.1	35.8	35.8	0.0
H_183_Houseat7	House at 708 East Brown	708 E. Brown	Ellis	Texas	32.330750	-96.619694	29.6	29.7	28.0	-1.7	29.8	28.2	-1.6
H_184_Houseat7	House at 712 East Marvin House at 722 West	712 E. Marvin 722 W.	Ellis	Texas	32.388361	-96.835028	37.7	37.9	37.8	-0.1	38.5	38.6	0.1
H_185_Houseat7	Madison	Madison	Ellis	Texas	32.316667	-96.628778	29.9	30.0	29.0	-1.0	30.1	29.2	-0.9
H_186_Houseat8	House at 802 East Ennis	802 E. Ennis	Ellis	Texas	32.331667	-96.620306	29.6	29.7	28.0	-1.7	29.8	28.1	-1.7
H_187_Houseat8	House at 803 Cantrell	803 Cantrell	Ellis	Texas	32.381167	-96.856667	38.9	39.1	39.1	0.0	39.8	39.8	0.0
H_188_Houseat8	House at 806 South Dallas House at 807 North	806 S. Dallas 807 N.	Ellis	Texas	32.321417	-96.622278	30.2	30.3	28.8	-1.5	30.5	28.9	-1.6
H_189_Houseat8	Preston	Preston	Ellis	Texas	32.332833	-96.635361	30.1	30.2	28.5	-1.7	30.4	28.7	-1.7
H_190_Houseat8	House at 810 North	810 N.											
H_191_Houseat8	Preston	Preston	Ellis	Texas	32.332472	-96.634944	30.1	30.2	28.6	-1.6	30.4	28.7	-1.7
H_192_Houseat8	House at 816 Cantrell	816 Cantrell	Ellis	Texas	32.382028	-96.854722	38.8	39.0	39.0	0.0	39.7	39.7	0.0
H_193_Houseat8	House at 816 West Water	816 W. Water	Ellis	Texas	31.940833	-96.864833	33.4	33.4	33.6	0.2	34.5	34.6	0.1
H_194_Housesat	House at 901 Cantrell Houses at 406 and 408 Heard	901 Cantrell 406 & 408 Heard Houston St. roughly between Arlington St. and Lancaster	Ellis Collin	Texas	32.380528	-96.861139	39.1	39.3	39.3	0.0	40.0	40.0	0.0
H_495_HoustonS	Houston Street Viaduct	Ave.	Dallas	Texas	32.768683	-96.809696	51.2	51.4	51.2	-0.2	52.0	51.8	-0.2
H_430_Humphrie	Humphries, William H. and Molly P., House	201 S. Main St.	Van Zandt	Texas	32.698189	-95.886803	41.1	41.3	39.2	-2.1	41.7	39.6	-2.1
H_195_HuntCoun	Hunt County Courthouse	2500 Lee St.	Hunt	Texas	33.139389	-96.106389	42.3	42.3	40.1	-2.2	42.7	40.5	-2.2
H_196_Hutcheso	Hutcheson-Smith House	312 N. Oak St.	Tarrant	Texas	32.740278	-97.109528	50.8	51.0	50.9	-0.1	51.3	51.2	-0.1
H_197_HyerHall	Hyer Hall	6424 Hill Lane	Dallas	Texas	32.844833	-96.784056	47.3	47.3	46.8	-0.5	47.7	47.2	-0.5

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H_198_Intersta	Interstate Forwarding Company Warehouse Johnson County	3200 Main St.	Dallas	Texas	32.784889	-96.777194	55.5	55.8	56.5	0.7	55.9	56.4	0.5
H_200_JohnsonC	Courthouse	1 Public Sq. Johnson	Johnson	Texas	32.347194	-97.386139	31.4	30.9	31.5	0.6	31.0	31.7	0.7
H_201_JohnsonF	Johnson Farm	Branch Park	Denton	Texas	33.417778	-97.048306	40.6	40.5	40.7	0.2	40.6	41.0	0.4
H_202_JohnsonJ	Johnson, John, House	302 Anthony 312 S.	Collin	Texas	33.193778	-96.613139	35.4	35.4	36.0	0.6	35.7	36.0	0.3
H_203_JohnsonT	Johnson, Thomas, House	Tennessee	Collin	Texas	33.194722	-96.615250	35.5	35.5	35.9	0.4	35.8	35.9	0.1
H_199_JohnsonE	Johnson-Elliott House	3 Chase Ct. 604 Prairie Ave.	Tarrant	Texas	32.725500	-97.332000	46.9	46.9	47.4	0.5	46.4	46.9	0.5
H_204_JoinerLo	Joiner-Long House		Johnson	Texas	32.339700	-97.391300	31.0	30.5	31.8	1.3	30.4	32.1	1.7
H_205_JoleschH	Jolesch House	504 W. Knox Johnson Branch Park, Lake Ray	Ellis	Texas	32.326833	-96.632139	30.2	30.3	28.8	-1.5	30.5	29.0	-1.5
H_206_JonesFar	Jones Farm Joshua Chapel A.M.E. Church	Roberts	Denton	Texas	33.414917	-97.044194	40.4	40.3	40.6	0.3	40.5	40.9	0.4
H_207_JoshuaCh		110 Ailen	Ellis	Texas	32.381167	-96.846028	38.4	38.5	38.6	0.1	39.2	39.3	0.1
H_208_KatyDepo	Katy Depot	3102 Lee St. Roughly bounded by Kidd Springs, Stewart, Oak Cliff, Plymouth, I-30, Turner, Colorado and Sylvan Bounded by Turner, Colorado and Salmon	Hunt	Texas	33.140417	-96.112361	42.4	42.5	40.0	-2.5	42.8	40.5	-2.3
H_465_KesslerP	Kessler Park Historic District	305 W. Louisiana 900--1500 Blocks of King's Highway between W.	Dallas	Texas	32.758267	-96.844486	50.2	50.3	50.2	-0.1	50.6	50.5	-0.1
	Kessler Park Historic District (Boundary Increase)	405 W. Louisiana 900--1500 Blocks of King's Highway between W.	Dallas	Texas	32.758406	-96.837401	50.0	50.1	50.0	-0.1	50.5	50.3	-0.2
H_209_KingMrsJ	King, Mrs. J. C., House	405 W. Louisiana 900--1500 Blocks of King's Highway between W.	Collin	Texas	33.196556	-96.608111	35.9	36.0	37.2	1.2	36.2	36.4	0.2
H_434_KingsHig	King's Highway Historic District	405 W. Louisiana 900--1500 Blocks of King's Highway between W.	Dallas	Texas	32.752256	-96.842629	49.5	49.7	49.7	0.0	50.0	49.9	-0.1

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Davis St. and Montclair Ave.													
H_210_Kirkpatr	Kirkpatrick, E. W., House and Barn	903 Parker	Collin	Texas	33.189444	-96.622472	35.2	35.3	35.5	0.2	35.6	35.8	0.2
H_211_KirvenJD	Kirven, J. D., House	601 Sycamore	Ellis	Texas	32.400472	-96.846833	38.5	38.8	38.4	-0.4	39.5	39.3	-0.2
H_212_Knightso	Knights of Pythias Building	315 Main St.	Tarrant	Texas	32.755361	-97.331444	47.3	47.4	47.1	-0.3	47.4	47.2	-0.2
H_213_KogerWil	Koger, William, House	409 Kaufman 300 E. Main St.	Ellis	Texas	32.387556	-96.839917	38.0	38.2	38.2	0.0	38.8	38.9	0.1
H_214_KohlErns	Kohl, Ernst Martin, Building	St.	Grayson	Texas	33.755000	-96.531833	36.2	36.3	36.2	-0.1	36.7	36.6	-0.1
H_415_KressBui	Kress Building	604 Main St. Roughly bounded by E. 6th St., Beckley Ave., Zangs Blvd. and Marsalis	Tarrant	Texas	32.753590	-97.331271	47.4	47.4	47.0	-0.4	47.4	47.1	-0.3
H_461_LakeClif	Lake Cliff Historic District	Ave. Roughly bounded by E. Jefferson Blvd., S. Marsalis, E.	Dallas	Texas	32.756666	-96.818811	49.7	49.9	49.8	-0.1	50.3	50.2	-0.1
H_460_Lancaste	Lancaster Avenue Commercial Historic District	10th St., E. 9th St. and N.	Dallas	Texas	32.748586	-96.814735	49.0	49.2	49.0	-0.2	49.7	49.4	-0.3
H_215_Langsfor	Langsford, Samuel, House	1208 E. Marvin 701 E.	Ellis	Texas	32.388444	-96.828222	37.3	37.4	37.4	0.0	38.0	38.0	0.0
H_496_Lawrence	Lawrence, Stephen Decatur, Farmstead	Kearney St. 3211	Dallas	Texas	32.770382	-96.589227	45.3	45.4	45.5	0.1	45.9	45.8	-0.1
H_421_LemmonMa	Lemmon, Mark and Maybelle, House	Mockingbird Ln. 301-311 W. Leuda and 805-807 May	Dallas	Texas	32.838288	-96.784701	47.9	48.0	47.5	-0.5	48.5	47.9	-0.6
H_216_LeudaMay	Leuda-May Historic District	Sts. 2433 Martin Luther King, Jr., Blvd.	Tarrant	Texas	32.736100	-97.328300	47.2	47.2	47.2	0.0	47.0	46.9	-0.1
H_217_LeviMose	Levi--Moses House	Jr., Blvd.	Dallas	Texas	32.765694	-96.772556	53.0	53.3	53.8	0.5	53.7	54.2	0.5

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H_218_LeviTopl	Levi--Topletz House	2603 Martin Luther King, Jr., Blvd. 1201 E. Marvin	Dallas	Texas	32.767444	-96.770583	53.4	53.7	54.4	0.7	54.1	54.7	0.6
H_219_LewisWil	Lewis, William, House Lincoln Paint and Color Company Building	3210 Main 108 S. Akard St.	Dallas	Texas	32.388806	-96.829278	37.4	37.5	37.4	-0.1	38.1	38.1	0.0
H_220_LincolnP	Magnolia Building Magnolia Petroleum Company City Sales and Warehouse	1607 Lyte St.	Dallas	Texas	32.780056	-96.799111	53.4	53.7	53.5	-0.2	54.6	54.2	-0.4
H_221_Magnolia	Man, Ralpd Sandiford and Julia Boisseau, House	604 W. Broad St. Roughly defined by N. Main St., bet. N. Side Dr. and N. 14th St. 210--14 St. Louis Ave. and 406--10 W.	Tarrant	Texas	32.564200	-97.147900	39.8	39.8	40.4	0.6	39.7	40.5	0.8
H_478_MarineCo	Marine Commercial Historic District	Daggett Ave.	Tarrant	Texas	32.778041	-97.346915	49.8	49.8	49.8	0.0	49.5	49.5	0.0
H_224_MarkeenA	Markeen Apartments	4524 Live Oak	Dallas	Texas	32.742222	-97.328472	47.3	47.3	47.0	-0.3	47.2	46.9	-0.3
H_225_MaryApar	Mary Apartments	Roughly bounded by E. Berry St., Mitchell Blvd., Vaughn St., Wichita St. and Glen Garden Dr. 307 N.	Tarrant	Texas	32.799639	-96.775333	53.7	53.9	53.3	-0.6	54.3	53.7	-0.6
H_484_MasonicW	Masonic Widows and Orphans Home Historic District	402 W. Tyler 603 W.	Ellis	Texas	32.332111	-96.634333	30.2	30.2	28.5	-1.7	30.4	28.7	-1.7
H_226_Matthews	Matthews--Atwood House Matthews--Templeton House	Marvin	Denton	Texas	32.328444	-96.631667	30.2	30.3	28.7	-1.6	30.5	28.9	-1.6
H_227_Matthews	McCanless--Williams House	402 W. Tyler 603 W.	Ellis	Texas	32.329222	-96.635472	30.2	30.3	28.7	-1.6	30.4	28.9	-1.5
H_229_McCartne	McCartney House	Marvin	Ellis	Texas	32.394944	-96.850167	38.7	38.9	38.7	-0.2	39.6	39.5	-0.1

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H_230_McFarlin	McFarlin Memorial Auditorium	6405 Hillcrest Rd. 1518 Abrams	Dallas	Texas	32.844167	-96.786361	47.4	47.5	47.0	-0.5	47.9	47.4	-0.5
H_231_McIntosh	McIntosh, Roger D., House	Rd. Roughly bounded by Herndon, Wood, Cloyd, Davis, Louisiana, MacDonald,	Dallas	Texas	32.807194	-96.754000	50.0	50.2	49.3	-0.9	50.5	49.6	-0.9
H_441_McKinney	McKinney Commercial Historic District	Sts. 300 blk.	Collin	Texas	33.197772	-96.615241	35.6	35.7	35.9	0.2	36.0	35.9	-0.1
H_232_McKinney	McKinney Cotton Compress Plant	Throckmorton	Collin	Texas	33.200500	-96.606500	36.2	36.3	37.2	0.9	36.6	36.7	0.1
H_442_McKinney	McKinney Cotton Mill Historic District	Fowler, & Amscott 700--800 S.	Collin	Texas	33.183304	-96.611346	35.0	34.9	36.3	1.4	35.2	36.1	0.9
H_233_McKinney	McKinney Hospital, Old	College 700--800 S.	Collin	Texas	33.190861	-96.621361	35.4	35.4	35.5	0.1	35.7	35.8	0.1
H_234_McKinney	McKinney Hospital, Old	College	Collin	Texas	33.191611	-96.621972	35.4	35.4	35.5	0.1	35.7	35.8	0.1
H_440_McKinney	McKinney Residential Historic District	Roughly bounded by W. Lamar, N. Benge, W. Louisiana, & N. Oak 300 Blk. of West	Collin	Texas	33.198872	-96.620682	35.9	35.9	35.5	-0.4	36.2	35.8	-0.4
H_235_MedicalD	Medical Dental Building	Jefferson Blvd.	Dallas	Texas	32.743556	-96.827111	48.5	48.6	48.4	-0.2	49.0	48.7	-0.3
H_236_Meredith	Meredith--McDowal House	701 N. Gaines	Ellis	Texas	32.330306	-96.635222	30.2	30.3	28.7	-1.6	30.5	28.9	-1.6
H_462_Milleran	Miller and Stemmons Historic District	Roughly bounded by W. Davis St., Woodlawn Ave., Neches and Elsbeth	Dallas	Texas	32.752742	-96.827863	49.3	49.4	49.3	-0.1	49.9	49.7	-0.2
H_395_MillerMa	Miller Manufacturing Company Building	311 Bryan Ave	Tarrant	Texas	32.743246	-97.325253	47.3	47.3	47.0	-0.3	47.2	46.9	-0.3

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	Historic Place Name	Address	County	State	Latitude	Longitude		N.A.	P.A.	Change	N.A.	P.A.	Change
H_237_MillerJo	Miller, John Hickman, House	3506 Cedar Springs Roughly bounded by W. 2nd Ave., Mills Place Dr. and W. Park Ave.	Dallas	Texas	32.806861	-96.805917	58.4	58.9	59.2	0.3	60.1	60.3	0.2
H_475_MillsPla	Mills Place Historic District		Navarro	Texas	32.092878	-96.478223	23.6	23.6	24.1	0.5	23.9	24.4	0.5
H_238_Missouri	Missouri-Kansas-Texas Company Railroad Station	Covington St. 3800	Hill	Texas	32.012861	-97.131528	38.5	38.6	38.7	0.1	38.9	39.0	0.1
H_239_Mitchell	Mitchell, John E., Company Plant	Commerce St. 2111 S. Corinth St.	Dallas	Texas	32.784778	-96.771444	54.9	55.2	55.6	0.4	55.1	55.3	0.2
H_416_MonroeSh	Monroe Shops Montgomery Ward and Company Building		Dallas	Texas	32.724327	-96.804552	47.6	47.7	47.2	-0.5	48.2	47.4	-0.8
H_240_Montgome		801 Grove St. 400 W.	Tarrant	Texas	32.754111	-97.326333	47.2	47.3	47.0	-0.3	47.4	47.0	-0.4
H_241_MooreHou	Moore House	Denton	Ellis	Texas	32.330444	-96.633083	30.2	30.3	28.6	-1.7	30.5	28.8	-1.7
H_242_MooreWBH	Moore, W. B., House	912 E. Marvin	Ellis	Texas	32.387778	-96.832472	37.6	37.7	37.7	0.0	38.3	38.3	0.0
H_243_Moorhead	Moorhead, J.B., House Morning Chapel Colored Methodist Episcopal Church	801 S. Main W 901 E. Third St. 1007 N.	Ellis	Texas	32.321800	-96.623200	30.2	30.3	28.8	-1.5	30.5	28.9	-1.6
H_244_MorningC		McKinney	Tarrant	Texas	32.758417	-97.325389	47.2	47.3	47.0	-0.3	47.4	47.2	-0.2
H_245_MortonHo	Morton House Mrs. Baird's Bread Company Building	1401 N. Carroll	Ellis	Texas	32.334444	-96.634278	30.1	30.1	28.4	-1.7	30.3	28.6	-1.7
H_246_MrsBaird		Roughly bounded by Henderson, Junius, Prairie, and Reiger Sts.	Dallas	Texas	32.800389	-96.777028	53.8	54.1	53.5	-0.6	54.6	54.0	-0.6
H_444_MungerPl	Munger Place Historic District		Dallas	Texas	32.799338	-96.764523	52.1	52.4	51.5	-0.9	52.5	51.7	-0.8
H_394_NashThom	Nash, Thomas J. and Elizabeth, Farm National Compress Company Building	626 Ball St	Tarrant	Texas	32.936654	-97.085769	48.4	48.5	48.4	-0.1	48.9	48.8	-0.1
H_247_National	Navarro County Courthouse	503 S. Flat 300 W. 3rd Ave.	Ellis	Texas	32.381167	-96.846028	38.4	38.5	38.6	0.1	39.2	39.3	0.1
H_429_NavarroC		704 N. Preston	Navarro	Texas	32.095477	-96.468393	24.7	24.7	24.9	0.2	25.0	25.2	0.2
H_248_NealHous	Neal House		Ellis	Texas	32.331194	-96.634139	30.2	30.3	28.6	-1.7	30.4	28.8	-1.6

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	Historic Place Name	Address	County	State	Latitude	Longitude		N.A.	P.A.	Change	N.A.	P.A.	Change
		Roughly bounded by New York Ave., E. Terrell Ave., former I&GN Raiway, Verbena St., and N side of E. Terrell Ave., 215 N. Waddill	Tarrant	Texas	32.734182	-97.312562	46.8	46.7	46.9	0.2	46.8	46.9	0.1
H_480_NearSout	Near Southeast Historic District												
H_249_Neathery	Neathery, Sam, House												
H_250_NenneyJP	Nenney, J. P., House	601 N. Church	Collin	Texas	33.202167	-96.617611	36.2	36.2	35.9	-0.3	36.5	36.0	-0.5
H_252_NewsomeR	Newsome, R. F., House	609 Tucker 401 W.	Collin	Texas	33.202333	-96.627472	36.2	36.2	35.6	-0.6	36.5	36.0	-0.5
H_251_NewsomeK	Newsome--King House	Louisiana	Collin	Texas	33.196722	-96.607694	36.0	36.0	37.2	1.2	36.3	36.5	0.2
		Roughly bounded by 9th St., Davis St., Adams and Madison											
H_463_NorthBis	North Bishop Avenue Commercial Historic District		Dallas	Texas	32.747988	-96.828317	48.9	49.1	48.8	-0.3	49.5	49.2	-0.3
H_253_NorthFor	North Fort Worth High School	600 Park St. 500--600 blks. of N. Rogers, 500--600 blks. of N. Monroe, and 100--200 blks. of W. Marvin Sts.	Tarrant	Texas	32.781222	-97.357000	53.2	53.1	53.1	0.0	52.5	52.5	0.0
H_469_NorthRog	North Rogers Street Historic District		Ellis	Texas	32.391053	-96.845905	38.4	38.6	38.5	-0.1	39.3	39.3	0.0
H_254_NovyJoeH	Novy, Joe, House	401 N. Clay Cedar Springs	Ellis	Texas	32.327250	-96.634889	30.2	30.3	28.8	-1.5	30.4	29.0	-1.4
H_255_Number4H	Number 4 Hook and Ladder Company	Rd. and Reagan St.	Dallas	Texas	32.809889	-96.809056	58.8	59.2	59.6	0.4	60.4	60.6	0.2
H_256_OakLawnM	Oak Lawn Methodist Episcopal Church, South	3014 Oak Lawn Ave. Copper Canyon Rd. 212 E. Ennis and 108 E.	Dallas	Texas	32.809250	-96.808417	58.7	59.1	59.5	0.4	60.3	60.5	0.2
H_257_OldAlton	Old Alton Bridge		Denton	Texas	33.129361	-97.104028	43.2	43.3	43.2	-0.1	43.7	43.5	-0.2
H_258_OldCityM	Old City Mills	Brown	Ellis	Texas	32.328333	-96.625722	30.1	30.2	28.5	-1.7	30.3	28.7	-1.6
H_259_OldConti	Old Continental State Bank	312 Oak St.	Denton	Texas	32.999361	-97.229250	48.2	48.2	48.0	-0.2	48.3	48.1	-0.2

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H_260_OldRockS	Old Rock Saloon	58 W. Elm St.	Hill	Texas	32.010500	-97.130611	38.5	38.6	38.7	0.1	38.9	39.0	0.1
H_261_OldSherm	Old Sherman Public Library	301 S. Walnut Roughly bounded by Sanford, Elm, North, Prairie and Oak Sts. Oldham Ave. between N. Jackson and Bethel Sts. 910 W.	Grayson	Texas	33.634750	-96.607056	36.0	36.1	35.9	-0.2	36.5	36.3	-0.2
H_477_OldTownH	Old Town Historic District	Roughly bounded by Texas, Austin, Hudgins and Jenkins Sts.	Tarrant	Texas	32.741356	-97.106504	51.0	51.2	51.1	-0.1	51.5	51.3	-0.2
H_467_OldhamAv	Oldham Avenue Historic District	Oldham, Mary and Frank House	Ellis	Texas	32.388103	-96.842694	38.2	38.4	38.3	-0.1	39.0	39.0	0.0
H_262_OldhamMa	Original Town Residential Historic District Our Lady of Victory Academy Our Mother of Mercy Catholic Church and Parsonage Our Mother of Mercy School	Marvin Roughly bounded by 801 W. Shaw St. 1100 and 1104 Evans Ave. 801 Verbena St. 5900 Ownby Dr.	Ellis	Texas	32.396806	-96.853306	38.9	39.1	38.9	-0.2	39.9	39.7	-0.2
H_488_Original		Tarrant	Tarrant	Texas	32.936641	-97.074893	52.3	52.4	52.4	0.0	52.9	52.8	-0.1
H_263_OurLadyo			Tarrant	Texas	32.701700	-97.332900	45.2	44.9	46.0	1.1	44.5	45.7	1.2
H_264_OurMothe		Tarrant	Tarrant	Texas	32.732722	-97.318417	46.8	46.7	46.9	0.2	46.7	46.8	0.1
H_422_OurMothe			Tarrant	Texas	32.735048	-97.319217	46.9	46.9	46.9	0.0	46.8	46.9	0.1
H_265_OwnbyJor	Ownby, Jordan C., Stadium	Dallas	Texas	32.837750	-96.783556	47.9	48.0	47.4	-0.6	48.5	47.9	-0.6	
H_266_PaddockV	Paddock Viaduct	Main St.	Tarrant	Texas	32.760083	-97.334972	47.4	47.4	47.2	-0.2	47.5	47.3	-0.2
H_267_PailletH	Paillet House	800 S. College Courthouse	Ellis	Texas	32.378083	-96.855028	38.8	39.0	39.0	0.0	39.7	39.7	0.0
H_268_ParkerCo	Parker County Courthouse	Sq.	Parker	Texas	32.759056	-97.797361	43.0	43.0	40.3	-2.7	43.3	40.6	-2.7
H_269_PatrickM	Patrick, Marshall T., House	233 Patrick	Ellis	Texas	32.395583	-96.855250	39.0	39.2	39.0	-0.2	40.0	39.8	-0.2
H_270_Patterso	Patterson, Stanley, Hall	3128 Dyer St.	Dallas	Texas	32.843583	-96.782500	47.3	47.4	46.9	-0.5	47.7	47.2	-0.5
H_271_PayneMSH	Payne, M. S., House	521 N. Grand Roughly bounded by Sycamore, Peak, Worth and Fitzhugh	Ellis	Texas	32.404278	-96.858667	39.3	39.6	39.1	-0.5	40.4	40.0	-0.4
H_445_PeaksSub	Peak's Suburban Addition Historic District	Dallas	Texas	32.797170	-96.772297	53.6	53.9	53.3	-0.6	54.2	53.6	-0.6	
H_272_PerkinsH	Perkins Hall of	6425 Hillcrest	Dallas	Texas	32.844889	-96.786056	47.4	47.4	46.9	-0.5	47.8	47.3	-0.5

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	Administration	Rd. 210 W. 6th. St. 902 W.											
H_400_Petroleu	Petroleum Building	Tarrant	Texas	32.754637	-97.332042	47.3	47.4	47.1	-0.3	47.4	47.1	-0.3	
H_273_Philiips	Phillips, E. F., House	Marvin	Ellis	Texas	32.396611	-96.852889	38.9	39.1	38.9	-0.2	39.9	39.7	-0.2
H_274_Plumhoff	Plumhoff House	612 S. Rogers	Ellis	Texas	32.380028	-96.853278	38.8	38.9	39.0	0.1	39.6	39.7	0.1
H_275_PollockC	Pollock-Capps House Ponton, Dr. Arvel and Faye, House	1120 Penn St. 1208 Mistletoe Dr. 2 mi. N of Terrell on FR	Tarrant	Texas	32.747083	-97.342806	48.2	48.2	47.8	-0.4	48.0	47.6	-0.4
H_417_PontonDr					32.730735	-97.356528	47.1	47.0	47.1	0.1	46.5	46.7	0.2
NNL_5_Porter	Porter Farm	986 2 mi. N of Terrell on FR	Terrell	Texas	32.772912	-96.277527	42.6	42.8	42.8	0.0	43.1	43.2	0.1
H_473_PorterWa	Porter, Walter C., Farm	986	Kaufman	Texas	32.779285	-96.274648	42.1	42.2	43.0	0.8	42.5	43.4	0.9
H_276_PostOffi	Post Office Building	Lee at King St. 2038	Hunt	Texas	33.140139	-96.110556	42.4	42.4	40.0	-2.4	42.8	40.4	-2.4
H_425_PurvinHe	Purvin--Hexter Building	Commerce St. Roughly bounded by Eugene, Cooper, Latimer,	Dallas	Texas	32.782839	-96.793465	54.5	54.9	55.0	0.1	55.9	55.9	0.0
H_454_QueenCit	Queen City Heights Historic District	Kynard and Dildock 116 E.	Dallas	Texas	32.760320	-96.763518	52.2	52.5	53.3	0.8	52.9	53.5	0.6
H_277_RalstonM	Ralston, Mary, House	University 401 S. Centre	Ellis	Texas	32.398444	-96.853917	39.0	39.2	38.9	-0.3	40.0	39.7	-0.3
H_278_Randlett	Randlett House	St. 501 N.	Dallas	Texas	32.590667	-96.755972	38.3	38.5	39.9	1.4	38.8	40.7	1.9
H_279_RansomHo	Ransom House	McKinney	Ellis	Texas	32.330250	-96.631611	30.2	30.3	28.6	-1.7	30.4	28.8	-1.6
H_280_RaphaelH	Raphael House	500 W. Ennis 2219 Dowling	Ellis	Texas	32.326083	-96.631306	30.2	30.3	28.8	-1.5	30.5	29.0	-1.5
H_281_RawlinsC	Rawlins, Capt. R. A., House	St. 401 N.	Dallas	Texas	32.580444	-96.756278	37.6	37.8	39.2	1.4	38.3	40.1	1.8
H_282_RayMBHou	Ray, M. B., House Rayburn, Sam, Library and Museum	Monroe 800 W. Sam	Ellis	Texas	32.389667	-96.848167	38.6	38.7	38.6	-0.1	39.4	39.4	0.0
H_283_RayburnS	Rayburn, Sam, Library and Museum	Rayburn Dr.	Fannin	Texas	33.578200	-96.187300	30.5	30.5	26.9	-3.6	30.9	27.9	-3.0
H_428_RayburnS	Rayburn, Sam, Library and Museum	Rayburn Dr.	Fannin	Texas	33.580072	-96.187955	30.4	30.5	26.8	-3.7	30.9	27.8	-3.1
H_284_RayburnS	Rayburn, Samuel T., House	1.5 mi. W of	Fannin	Texas	33.569833	-96.207444	30.9	31.0	26.9	-4.1	31.4	28.2	-3.2

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NNL_6_Raybur	Rayburn, Samuel T., House Rector Road Bridge at Clear Creek	Bonham on U.S. 82 1.5 mi. W of Bonham on U.S. 82 Approx. 2.5 mi SE of Sangar	Fannin Denton	Texas	33.569913	-96.207512	30.9	31.0	26.9	-4.1	31.4	28.2	-3.2
H_285_RectorRo													
H_286_Reinmill	Reinmiller, W. B., House	206 E. Marvin 300 N. Ervay/325 N.	Ellis	Texas	32.391389	-96.842389	38.2	38.4	38.3	-0.1	39.1	39.0	-0.1
H_287_Republic	Republic National Bank	St. Paul St.	Dallas	Texas	32.783100	-96.797200	54.1	54.5	54.4	-0.1	55.5	55.3	-0.2
H_288_RheaJohn	Rhea, John C., House	801 N. College 2629 LaSalle	Collin	Texas	33.204028	-96.621222	36.1	36.2	35.6	-0.6	36.5	35.9	-0.6
H_289_Riversid	Riverside Public School	St.	Tarrant	Texas	32.758333	-97.305556	47.7	47.7	47.4	-0.3	47.7	47.5	-0.2
H_290_RobertsD	Roberts, Dr. Rufus A., House	210 S. Broad St. 321 E.	Dallas	Texas	32.588111	-96.957417	42.0	42.2	42.5	0.3	42.6	43.0	0.4
H_291_RockettP	Rockett, Paris Q., House	University 2230 Warner	Ellis	Texas	32.402028	-96.852750	39.0	39.2	38.8	-0.4	40.0	39.7	-0.3
H_292_RogersOD	Rogers-O'Daniel House	Rd. 2300--2400 blocks of	Tarrant	Texas	32.709833	-97.347639	45.4	45.2	46.3	1.1	44.9	46.1	1.2
H_455_RomineAv	Romine Avenue Historic District	Romine Ave., N side Roughly bounded by 10th St., Oak Cliff Blvd., W. Davis St., N. Brighton Ave., W. 8th St. and	Dallas	Texas	32.758944	-96.765295	51.9	52.2	52.9	0.7	52.7	53.2	0.5
H_458_Rosemont	Rosemont Crest Historic District	Rosemont Ave.	Dallas	Texas	32.746918	-96.850593	49.0	49.2	49.2	0.0	49.5	49.5	0.0
H_293_Rosemont	Rosemont House	701 S. Rogers	Ellis	Texas	32.378944	-96.853944	38.8	38.9	39.0	0.1	39.7	39.7	0.0
H_294_RoyseCit	Royse City Lodge No. 663 A.F. & A.M.	102 S. Arch St. 2718	Rockwall	Texas	32.975083	-96.330833	45.0	45.0	42.9	-2.1	45.1	43.2	-1.9
H_295_RushCrab	Rush--Crabb House	Pennsylvania	Dallas	Texas	32.765944	-96.767222	53.2	53.5	54.3	0.8	53.8	54.6	0.8
H_296_SaintJam	Saint James Second Street Baptist Church	210 Harding St.	Tarrant	Texas	32.759500	-97.324750	47.2	47.3	47.0	-0.3	47.4	47.2	-0.2
H_297_SaintPau	Saint Paul's Episcopal Church	308 N. Monroe	Ellis	Texas	32.388583	-96.837028	37.9	38.0	37.9	-0.1	38.7	38.7	0.0

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H_298_Sanderso	Sanderson, James S., House	201 N. Gaines 410--412	Ellis	Texas	32.327389	-96.632750	30.2	30.3	28.8	-1.5	30.5	28.9	-1.6
H_299_SangerBr	Sanger Brothers Building	Houston St. Block 32, bounded by Elm, Lamar, Main and Austin Sts. 4729	Tarrant	Texas	32.754361	-97.332306	47.3	47.4	47.0	-0.4	47.4	47.1	-0.3
H_300_SangerBr	Sanger Brothers Complex	Sanguinet, Marshall R., House	Dallas	Texas	32.779861	-96.804556	52.7	53.0	52.8	-0.2	53.9	53.6	-0.3
H_301_Sanguine	Santa Fe Passenger Depot	Broadway	Cooke	Texas	33.626444	-97.140639	39.5	39.3	39.4	0.1	39.4	39.5	0.1
H_302_SantaFeP	Santa Fe Terminal Building No. 4	1033 Young St. 1114 Commerce St.	Dallas	Texas	32.778891	-96.802241	52.8	53.1	52.9	-0.2	54.0	53.7	-0.3
H_303_SantaFeT	Santa Fe Terminal Buildings No.1 and No. 2	and 1118 Jackson St. 1114 Commerce St.	Dallas	Texas	32.796861	-96.801250	58.0	58.5	58.7	0.2	59.8	60.4	0.6
H_304_SantaFeT	Santa Fe Terminal Buildings No.1 and No. 2	and 1118 Jackson St. 1109 W.	Dallas	Texas	32.796306	-96.801056	57.8	58.3	58.5	0.2	59.7	60.2	0.5
H_305_ScottAMH	Scott, A. M., House	Louisiana 513 W.	Collin	Texas	33.196722	-96.626361	35.7	35.8	35.4	-0.4	36.1	35.8	-0.3
H_306_ScottLAH	Scott, L. A., House	Louisiana 1200 blk. of Sycamore	Collin	Texas	33.196806	-96.621194	35.7	35.7	35.5	-0.2	36.1	35.8	-0.3
H_501_SecondTr	Second Trinity University Campus	Ct. E.	Ellis	Texas	32.404255	-96.852779	39.0	39.2	38.8	-0.4	40.0	39.6	-0.4
H_307_SharpHou	Sharp House	208 N. Gaines	Ellis	Texas	32.327000	-96.632333	30.2	30.3	28.8	-1.5	30.5	28.9	-1.6
H_308_ShawThom	Shaw, Thomas and Marjorie, House	2404 Medford St.	Tarrant	Texas	32.717722	-97.356889	45.7	45.6	46.5	0.9	45.4	46.3	0.9
H_309_ShermanU	Sherman US Post Office and Courthouse	101 E. Pecan St. 4602 Reiger Ave.	Grayson	Texas	33.639139	-96.609528	36.3	36.4	36.3	-0.1	36.8	36.6	-0.2
H_310_ShielsTh	Shiels, Thomas, House	Shipe, Col. Monroe M., House	Dallas	Texas	32.793722	-96.767583	53.7	53.9	53.2	-0.7	53.9	53.3	-0.6
H_386_ShipeCol		3816 Ave. G	Travis	Texas	32.105070	-97.706759	22.7	22.6	22.3	-0.3	22.9	22.8	-0.1
H_311_Silberst	Silberstein, Ascher, School	2425 Pine St.	Dallas	Texas	32.756111	-96.761278	51.5	51.8	52.5	0.7	52.2	52.8	0.6
H_312_SimsOBHo	Sims, O. B., House	1408 W. Main	Ellis	Texas	32.397889	-96.863500	39.4	39.7	39.4	-0.3	40.5	40.2	-0.3
H_313_Sinclair	Sinclair Building	512 Main St.	Tarrant	Texas	32.754000	-97.331250	47.4	47.4	47.1	-0.3	47.4	47.1	-0.3

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H_314_SmithWDH	Smith, W. D., House	703 N. College	Collin	Texas	33.203306	-96.621250	36.1	36.2	35.6	-0.6	36.5	35.9	-0.6
H_315_SniderHa	Snider Hall	3305 Dyer St.	Dallas	Texas	32.842750	-96.786028	47.6	47.6	47.1	-0.5	48.0	47.5	-0.5
H_316_SolonJoh	Solon, John, House Somervell County Courthouse	617 Solon Rd.	Ellis	Texas	32.390667	-96.853667	38.8	39.0	38.9	-0.1	39.8	39.7	-0.1
H_317_Somervel		Off TX 144 South Blvd.	Somervell	Texas	32.235028	-97.755750	27.8	27.7	26.3	-1.4	28.1	26.8	-1.3
H_452_SouthBou	South Boulevard-Park Row Historic District	from Central 500-600 blks	Dallas	Texas	32.768266	-96.772556	53.5	53.8	54.4	0.6	54.2	54.8	0.6
H_482_SouthCen	South Center Street Historic District	of S. Center St. 104, 108, 126 & 200 blocks	Tarrant	Texas	32.731659	-97.106872	49.6	49.8	49.5	-0.3	50.1	49.8	-0.3
H_399_SouthMai	South Main Street Historic District South Side Masonic Lodge	S. Main St. 1301 W. Magnolia	Tarrant	Texas	32.744343	-97.326353	47.3	47.3	46.9	-0.4	47.3	46.9	-0.4
H_318_SouthSid	No. 1114 Spake, Jacob and Eliza, House	Magnolia	Tarrant	Texas	32.730278	-97.338083	47.7	47.7	47.9	0.2	46.9	47.2	0.3
H_319_SpakeJac	St. Mary of the Assumption Church	2600 State St. 501 W. Magnolia Ave.	Dallas	Texas	32.795389	-96.799778	57.6	58.1	58.4	0.3	59.4	60.0	0.6
H_320_StMaryof	St. Patrick Cathedral	1206 Throckmorton	Tarrant	Texas	32.730444	-97.330306	47.1	47.1	47.4	0.3	46.7	47.0	0.3
H_321_StPatric	Complex St. Peter's Roman Catholic Church		Tarrant	Texas	32.749111	-97.329639	47.4	47.3	47.0	-0.3	47.4	47.0	-0.4
H_322_StPeters		Ash St. 2400 S. Ervay St.	Cooke	Texas	33.636000	-97.226667	38.4	38.3	38.4	0.1	38.5	38.5	0.0
H_323_StanardT	Stanard--Tilton Flour Mill	TX 34 at the Ellis and Kaufman Cnty. line I-20, 1.7 mi. W of jct. with FM	Dallas	Texas	32.766750	-96.782139	52.6	53.0	53.1	0.1	53.4	53.5	0.1
H_324_StateHig	State Highway 34 Bridge at the Trinity River	Kaufman Cnty. line I-20, 1.7 mi. W of jct. with FM	Kaufman	Texas	32.426750	-96.462861	32.6	32.8	30.4	-2.4	33.4	31.0	-2.4
H_325_StateHig	State Highway 89 Bridge at the Brazos River	113 2927 Maple Ave.	Parker	Texas	32.666944	-98.033361	38.8	38.9	41.5	2.6	39.1	41.7	2.6
H_413_Stonelei	Stoneleigh Court Hotel Story, Jesse and Mary, House	510 W. Brown	Dallas	Texas	32.797528	-96.807239	56.9	57.4	57.5	0.1	58.7	58.8	0.1
H_326_StoryJes		400 Lancaster- Hutchins Rd. 400 E. Pecan St.	Dallas	Texas	32.325194	-96.630889	30.2	30.3	28.8	-1.5	30.5	29.0	-1.5
H_432_StrainFa	Strain Farm--Strain, W.A., House (Boundary Increase)		Dallas	Texas	32.589859	-96.746360	37.6	37.7	39.3	1.6	38.0	40.1	2.1
H_327_StrainWA	Strain, W. A., House		Dallas	Texas	32.587972	-96.749750	37.7	37.9	39.4	1.5	38.2	40.2	2.0

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	Historic Place Name	Address	County	State	Latitude	Longitude		N.A.	P.A.	Change	N.A.	P.A.	Change
H_328_StrausHo	Straus House	400 Cedar 500 Oldham St.	Dallas	Texas	32.588417	-96.954417	41.9	42.0	42.4	0.4	42.5	42.9	0.4
H_329_Strickla	Strickland-Sawyer House	S. Waco and W. Elm Sts. Swiss Ave. between	Ellis	Texas	32.387417	-96.841833	38.2	38.3	38.3	0.0	39.0	39.0	0.0
H_330_SturgisN	Sturgis National Bank	Swiss Avenue Historic District	Hill	Texas	32.010500	-97.130278	38.5	38.6	38.7	0.1	39.0	39.1	0.1
H_443_SwissAve	Tabernacle Baptist Church	Fitzhugh and LaVista 1801 Evans Ave. 110 E. Franklin St.	Dallas	Texas	32.807744	-96.763527	50.5	50.7	49.9	-0.8	51.1	50.3	-0.8
H_331_Tabernac	Tarlton Building	Bounded by Houston, Belknap, Weatherford, and Commerce	Tarrant	Tarrant	32.724944	-97.317917	46.4	46.3	46.8	0.5	46.2	46.7	0.5
H_332_TarltonB	Tarrant County Courthouse	Sts. 211 N. Waddill 209 N.	Tarrant	Texas	32.757361	-97.333000	47.4	47.4	47.1	-0.3	47.5	47.2	-0.3
H_333_TaylorJH	Taylor, J. H., House	Preston 208 S.	Collin	Texas	33.198722	-96.626944	35.8	35.9	35.4	-0.5	36.3	35.8	-0.5
H_335_TelfairH	Telfair House	Fifteenth St.	Ellis	Texas	32.327361	-96.632111	30.2	30.3	28.8	-1.5	30.5	28.9	-1.6
H_336_TempleBe	Temple Beth-El Templeton, Judge M. B., House	203 N. Grand Roughly bounded by E. Clarendon Dr., S. Fleming Ave., I-35E, E. 8th St. and the E end of	Navarro	Texas	32.089556	-96.468556	24.4	24.5	24.7	0.2	24.8	25.0	0.2
H_337_Templeto	Tenth Street Historic District	Church, E. 9th and Plum Sts. 207 N.	Ellis	Texas	32.398222	-96.862194	39.4	39.6	39.3	-0.3	40.4	40.1	-0.3
H_459_TenthStr	Terrell Carnegie Library	Frances St. 108 S.	Dallas	Texas	32.748258	-96.806802	49.1	49.4	49.1	-0.3	49.9	49.5	-0.4
H_423_TerrellC	Terrell Times Star Building	Catherine St.	Kaufman	Texas	32.740089	-96.278458	42.9	43.1	41.7	-1.4	43.4	42.1	-1.3
H_338_TerrellIT	Texas & Pacific Steam Locomotive No. 610	Felix and Hemphill Sts.	Tarrant	Texas	32.789167	-97.344472	48.7	48.7	48.8	0.1	48.7	48.8	0.1

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	Historic Place Name	Address	County	State	Latitude	Longitude		N.A.	P.A.	Change	N.A.	P.A.	Change
H_340_Texasand	Texas and Pacific Railroad Depot	1 Main St. Lancaster and Throckmorton Sts. Bounded by Texas and Pacific RR, Pennsylvania, Second, and Parry Aves.	Fannin Tarrant	Texas	33.573583	-96.177278	30.4	30.5	27.4	-3.1	30.9	28.1	-2.8
H_505_Texasand	Texas and Pacific Terminal Complex				32.746046	-97.329660	47.4	47.4	47.1	-0.3	47.3	47.0	-0.3
H_493_TexasCen	Texas Centennial Exposition Buildings (1936-1937)		Dallas	Texas	32.779268	-96.760070	53.2	53.5	53.9	0.4	53.5	54.0	0.5
H_341_TexasFar	Texas Farm and Ranch Building	3300 Main St.	Dallas	Texas	32.785389	-96.775694	55.4	55.7	56.3	0.6	55.7	56.1	0.4
H_390_TexasGar	Texas Garden Clubs, Inc., Headquarters	3111 Old Garden Rd	Tarrant	Texas	32.740556	-97.364000	47.6	47.6	47.2	-0.4	47.1	46.8	-0.3
H_342_TexasThe	Texas Theatre	Jefferson Blvd. 900--904 S US	Dallas	Texas	32.743400	-96.825500	48.4	48.6	48.3	-0.3	49.0	48.7	-0.3
H_343_TexasTou	Texas Tourist Camp	81/287 Off TX 51 and SR 922	Wise	Texas	33.228556	-97.576194	30.6	30.5	30.5	0.0	31.0	30.9	-0.1
H_344_Thomason	Thomason-Scott House	1207 W. Cooke	Texas	33.495111	-97.289194	35.7	35.7	35.8	0.1	35.8	36.0	0.2	
H_345_Thompson	Thompson House	Louisiana	Collin	Texas	33.196750	-96.627194	35.7	35.8	35.4	-0.4	36.2	35.8	-0.4
H_346_Thompson	Thompson, D. H., House	312 Kaufman	Ellis	Texas	32.386500	-96.841000	38.1	38.3	38.2	-0.1	38.9	38.9	0.0
H_347_TitcheGo	Titche-Goettinger Department Store	1901 Main St. 3100 Martin Luther King, Jr., Blvd.	Dallas	Texas	32.790806	-96.795194	56.6	57.1	57.3	0.2	58.3	58.9	0.6
H_348_TrinityE	Trinity English Lutheran Church		Dallas	Texas	32.772222	-96.764722	53.7	54.0	55.0	1.0	54.2	55.1	0.9
H_349_TrippetS	Trippet-Shive House	209 N. Grand 3 mi. E of Itasca on SR	Ellis	Texas	32.399278	-96.861111	39.4	39.6	39.2	-0.4	40.5	40.1	-0.4
H_350_TurnerJo	Turner, Joe E., House	934 3630 Harry Hines Blvd.	Hill	Texas	32.172917	-97.091861	40.1	40.2	40.3	0.1	40.5	40.7	0.2
H_351_TurtleCr	Turtle Creek Pump Station	118 S. Waco St.	Dallas	Texas	32.768556	-96.802806	51.7	52.0	51.8	-0.2	52.4	52.1	-0.3
H_352_USPostOf	U.S. Post Office		Hill	Texas	32.009944	-97.130306	38.5	38.6	38.7	0.1	39.0	39.1	0.1
H_353_Umphress	Umphress-Taylor House	301 Paris St.	Grayson	Texas	33.415889	-96.573528	27.8	27.7	27.6	-0.1	28.0	27.9	-0.1
H_354_US281Bri	US 281 Bridge at the Brazos River	US 281, 2.2 mi. N of I-20 Lancaster and Jennings Ave.	Palo Pinto	Texas	32.641639	-98.100278	36.2	36.5	40.5	4.0	36.7	40.6	3.9
H_355_USPostOf	US Post Office		Tarrant	Texas	32.746222	-97.329333	47.4	47.4	47.0	-0.4	47.3	47.0	-0.3

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H_396_Vandergr	Vandergriff Building	100 E Division St 718 W. Abram	Tarrant	Texas	32.743174	-97.106107	51.3	51.5	51.4	-0.1	51.8	51.7	-0.1
H_427_VaughtHo	Vaught House	St. 1104 E.	Tarrant	Texas	32.735041	-97.115829	50.0	50.2	50.0	-0.2	50.5	50.2	-0.3
H_356_VickeryR	Vickery, Richard, House	Marvin 4845 Swiss	Ellis	Texas	32.388278	-96.829500	37.4	37.5	37.4	-0.1	38.1	38.1	0.0
H_357_ViolaCou	Viola Courts Apartments	Ave.	Dallas	Texas	32.801361	-96.771028	52.5	52.8	52.1	-0.7	53.2	52.5	-0.7
H_358_Virginia	Virginia Hall	3325 Dyer St.	Dallas	Texas	32.843028	-96.786639	47.5	47.6	47.1	-0.5	48.0	47.5	-0.5
H_359_WaddillR	Waddill, R. L., House	302 W. Lamar	Collin	Texas	33.200611	-96.612944	35.8	35.8	36.0	0.2	36.1	36.0	-0.1
H_360_Waggoner	Waggoner Mansion	1003 E. Main 810 Houston	Wise	Texas	33.234333	-97.577167	30.5	30.4	30.3	-0.1	30.9	30.7	-0.2
H_361_Waggoner	Waggoner, W. T. Building	St. 210 S. Main	Tarrant	Texas	32.751639	-97.330639	47.3	47.3	47.0	-0.3	47.5	47.1	-0.4
H_362_WallaceH	Wallace-Hall House	St. 2200--2211 N.	Tarrant	Texas	32.561600	-97.142200	40.1	40.1	40.6	0.5	40.1	40.7	0.6
H_363_WaplesPl	Waples-Platter Buildings	Lamar St. 2200--2211 N.	Dallas	Texas	32.784722	-96.808528	53.1	53.4	53.2	-0.2	54.3	54.1	-0.2
H_364_WaplesPl	Waples-Platter Buildings	Lamar St. 705 Griffith	Dallas	Texas	32.784889	-96.808167	53.1	53.4	53.3	-0.1	54.4	54.2	-0.2
H_365_WarrenCr	Warren-Crowell House	Ave. 2612	Kaufman	Texas	32.747639	-96.286861	43.4	43.5	42.2	-1.3	43.9	42.6	-1.3
H_393_Washingt	Washington Hotel	Washington St	Hunt	Texas	33.141124	-96.107837	42.4	42.4	40.0	-2.4	42.8	40.4	-2.4
H_366_Waxahach	Waxahachie Chautauqua Building	Getzendaner											
H_367_Waxahach	Waxahachie Lumber Company	Park	Ellis	Texas	32.394861	-96.866528	39.5	39.7	39.4	-0.3	40.6	40.3	-0.3
H_438_Weatherf	Weatherford Downtown Historic District	Roughly bounded by Waco, Water, Walnut and Lee Sts. 501 N.	Parker	Texas	32.759232	-97.797244	43.0	43.0	40.3	-2.7	43.3	40.6	-2.7
H_369_Weatherf	Weatherford House		Ellis	Texas	32.329194	-96.633556	30.2	30.3	28.7	-1.6	30.5	28.9	-1.6
H_368_Weatherf	Weatherford-Mineral Wells and Northwestern Railroad Depot	S. Oak St. 510 W.	Palo Pinto	Texas	32.806167	-98.111667	38.6	38.7	39.4	0.7	38.9	39.7	0.8
H_370_WeekleyJ	Weekley, John M., House	Denton	Ellis	Texas	32.329750	-96.634389	30.2	30.3	28.7	-1.6	30.5	28.9	-1.6
H_468_WestEndH	West End Historic District	Roughly bounded by Central, W.	Ellis	Texas	32.390261	-96.855138	38.9	39.1	39.0	-0.1	39.9	39.8	-0.1

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H_476_WestSide	West Side Historic District	Water, Monroe, Madison and W. Jefferson	31st St. 2232 Winton	Navarro Tarrant	Texas	32.087307 32.722414	-96.479034 -97.359572	23.4 46.1	23.4 46.0	23.9 46.6	0.5 0.6	23.7 45.7	24.3 46.3	0.6 0.6
H_407_Westbroo	Westbrook, Roy A. and Gladys, House	Roughly bounded by W. 3rd Ave., 15th St., W. 6th Ave. and Market, and Commerce												
H_449_WestendH	Westend Historic District	Sts. 107 S.	Dallas	Texas	32.780201	-96.806786	52.6	52.8	52.7	-0.1	53.7	53.5	-0.2	
H_371_WesternU	Western Union Building	Covington St. 8 Westover Rd.	Hill	Texas	32.011917	-97.129306	38.6	38.7	38.8	0.1	39.0	39.1	0.1	
H_372_Westover	Westover Manor	1509 Pennsylvania Ave.	Tarrant	Texas	32.742139	-97.404250	46.3	46.3	45.8	-0.5	46.3	45.6	-0.7	
H_373_WhartonS	Wharton-Scott House	Bounded by Warren, Atlanta, McDermott, Meadow, Oakland and Dathe	Tarrant	Texas	32.738000	-97.342528	48.1	48.1	48.0	-0.1	47.6	47.4	-0.2	
H_453_Wheatley	Wheatley Place Historic District		Dallas	Texas	32.765674	-96.762054	53.0	53.3	54.3	1.0	53.6	54.4	0.8	
H_374_WileyTho	Wiley, Thomas W., House	105 S. Church 200 E.	Collin	Texas	33.196722	-96.617139	35.7	35.8	35.8	0.0	36.1	35.9	-0.2	
H_376_Williams	Williams, Porter L., House	University 412 W.	Ellis	Texas	32.399333	-96.853472	39.0	39.2	38.9	-0.3	40.0	39.7	-0.3	
H_375_Williams	Williams-Erwin House	Marvin St. 2902, 2906, 2910 and 2922 Swiss	Ellis	Texas	32.394500	-96.848056	38.6	38.8	38.6	-0.2	39.5	39.4	-0.1	
H_498_WilsonBl	Wilson Block	Ave. 1621-1623	Dallas	Texas	32.788364	-96.784995	55.9	56.2	56.8	0.6	57.1	57.7	0.6	
H_377_WilsonBu	Wilson Building	Main St.	Dallas	Texas	32.781444	-96.797361	53.7	54.1	54.0	-0.1	55.1	54.8	-0.3	

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H_378_WilsonAG	Wilson, A. G., House	417 N. Waddill 1900 W. 15th	Collin	Texas	33.201611	-96.626861	36.1	36.1	35.5	-0.6	36.5	35.9	-0.6
H_379_WilsonAm	Wilson, Ammie, House	Roughly bounded by Davis and 12th Sts., and Rosemont and Willomet Aves.	Collin	Texas	33.019056	-96.731306	44.4	44.4	44.5	0.1	44.8	45.6	0.8
H_457_Winnetka	Winnetka Heights Historic District	Dallas	Texas	32.745457	-96.844053	48.7	48.8	48.9	0.1	49.1	49.2	0.1	
H_380_WiseCoun	Wise County Courthouse	Public Sq.	Wise	Texas	33.234361	-97.586944	30.4	30.3	30.2	-0.1	30.8	30.6	-0.2
H_381_WittenPa	Witten, Pat, House	204 Brown 501 Houston St.	Ellis	Texas	32.394806	-96.842722	38.3	38.4	38.2	-0.2	39.1	39.0	-0.1
H_382_Woolwort	Woolworth, F. W., Building	Tarrant	Texas	32.753500	-97.331472	47.4	47.4	47.0	-0.4	47.4	47.1	-0.3	
H_405_WrightBu	Wright Building Wright-Henderson-Duncan House	Johnson	Texas	32.348153	-97.386244	31.4	30.9	31.5	0.6	31.0	31.6	0.6	
H_383_WrightHe	Wyatt Street Shotgun House Historic District	Hood	Texas	32.435306	-97.794917	27.8	28.0	26.0	-2.0	28.2	26.3	-1.9	
H_384_WyattStr	Wyatt Street Shotgun House Historic District	Ellis	Texas	32.385057	-96.838879	38.0	38.1	38.1	0.0	38.8	38.8	0.0	
H_385_WyattStr	Wyatt Street Shotgun House Historic District	Ellis	Texas	32.385057	-96.838879	38.0	38.1	38.1	0.0	38.8	38.8	0.0	
H_470_WyattStr	Wyatt Street Shotgun House Historic District	Ellis	Texas	32.385057	-96.838879	38.0	38.1	38.1	0.0	38.8	38.8	0.0	